

NIROPAM DAS

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SUMMARY

I am a seasoned technology and business professional bringing five years of hands-on experience in the dynamic fields of Information Technology and Data, driven by the unwavering conviction that technology, when utilized with care, is a formidable force for positive transformation. My robust academic foundation includes a B.Sc. and M.Sc. in Computer Science and Engineering from the National University of Bangladesh, alongside a Google Data Analytics Diploma. Prior to commencing my MBA in Management Information Systems at International American University in August, I dedicated a purposeful transitional period to advancing my academic contributions through independent research and publications. My MBA has since allowed me to seamlessly blend this technical knowledge with strategic management principles, and I am currently advancing my expertise by pursuing a Ph.D. in Information Technology with a major in Cyber Engineering. My professional trajectory encompasses serving as an IT System Analyst at Mainwins Inc. and five years as a Financial Associate at Sonali Life Insurance Company Limited, where I refined my analytical acumen and dedication to client service. My core disciplines and current research interests center on the critical confluence of technology and business strategy, delving into Cybersecurity, Artificial Intelligence, Business Informatics, Economic impacts, and broader IT landscapes. Armed with key skills in Data Analysis, AI applications, and Information Technology Management, I maintain professional memberships with the IEEE and ACM to stay at the forefront of global innovation. Beyond my technical pursuits, I serve as an Associate Member of Human Rights in Bangladesh, underscoring my dedication to social justice. I look forward to leveraging my comprehensive background to contribute to innovative solutions at the intersection of technology and management, connecting with others who share a passion for building a brighter, more equitable future.

PROFESSIONAL EXPERIENCE

- **Mainwins Inc.**

2451 W. Grapevine Mills Circle, #524 Grapevine, TX 76051
Information Technology System Analyst
January 2026 to July 2026 (7 months)

As an IT Systems Analyst, I will collaborate with end-users and stakeholders to translate their business needs into detailed system requirements. I am responsible for conducting interviews, surveys, and workshops to gather information and document functional

specifications. My role includes analyzing existing systems and data flows to identify areas for optimization while creating and maintaining comprehensive documentation, such as technical specifications and user manuals. Additionally, I will troubleshoot software defects to ensure the quality of IT systems and investigate technical issues to provide timely support to end-users.

- **Zifatech Solutions**

5004 S 23rd ST Milwaukee, Wisconsin 53221 USA
Project Manager (Internship)
September 2024 - January 2025 (5 months)

I applied core project management methodologies to lead cross-functional initiatives from planning to completion, fulfilling my educational course credit requirements. Defined scope, tracked milestones, facilitated weekly status meetings, and proactively mitigated risks to meet organizational goals utilizing Jira and Asana.

- **Sonali Life Insurance Company Ltd**

Dhaka, Bangladesh
Financial Associate (Brahmanbaria Branch)
April 2017 - December 2022 (5 years and 7 months)

I am responsible for providing clients with comprehensive financial advice, conducting personalized risk assessments, and meticulously managing the full lifecycle of their policy portfolios to ensure optimal coverage and long-term financial security.

- **Design Computers**

Brahmanbaria, Chittagong, Bangladesh
Database Administrator (Part-time)
August 2012 - March 2017 (4 years and 7 months)

Working part-time in an unpaid capacity alongside my studies to gain practical experience, I utilized SQL and Excel to collect, clean, and validate large datasets while assisting administrators with database queries, user management, and operational reporting.

EDUCATION

- PhD in Information Technology
University of the Cumberlands, Williamsburg, Kentucky
Major: Cyber Engineering
Attended: July 2026 - Present
CGPA: Pending
- Master of Business Administration – MBA
International American University, Los Angeles, California
Major: Management Information Systems (MIS)
Attended: August 2023 - November 2025
CGPA: 3.93 out of 4.00

- Master of Science - M.Sc
National University, Bangladesh
Major: Computer Science and Engineering
Attended: November 2015 - March 2017
CGPA: 3.55 out of 4.00
- Bachelor of Science - B.Sc
National University, Bangladesh
Major: Computer Science and Engineering
Attended: August 2011 - October 2015
CGPA: 3.29 out of 4.00

MEMBERSHIPS

Professional Affiliations: Professional Society Memberships: Member, IEEE

(Member Number: 100438779): My IEEE Member is a clear indication of my exceptional aptitude in the fields of Data analytics and artificial intelligence. Only after thorough peer review and approval by reputable professionals is this distinction given, demonstrating the influence of my work on a national and worldwide scale.

Editorial Board Member: As an Editorial Board Member for the Journal of Computer Science and Technology Studies, I evaluate scholarly manuscripts to ensure academic rigor and research validity. Leveraging my expertise in IT, cybersecurity, and data analytics, I help shape the journal's editorial direction and maintain high global publication standards. Link: <https://al-kindipublisher.com/index.php/jcsts/about/editorialTeam>

CERTIFICATION AND TRAINING

Google Data Analyst Certification: This course emphasizes analytical thinking, data analysis, and spreadsheet, SQL, Tableau, and R programming skills. How to clean, process, and analyze data, visualize data for narrative, and apply data ethics, ending in a portfolio piece that shows job-ready data-driven decision-making skills.

AWARDS

Best Paper Presentation Award – ICCCN 2025: <https://icccn.co.uk/BestPapers>, Best Paper Award Certificate: **ICCCNet 2025 Best Paper Certificate.pdf** . Received the Best Paper Award for the paper titled “A Privacy-Preserving Federated Intrusion Detection System Leveraging Secure Multi-Party Computation across Collaborative Cloud Tenants,” presented at

the International Conference on Computing and Communication Networks (ICCCNet-2025), organized by Manchester Metropolitan University, Manchester, United Kingdom, in August 2025.

PUBLISHED SCHOLARLY ARTICLES AND CONFERENCE:

- **Das, N.**, Kaur, H., Siddiqua, K. et al. AI-driven threat detection and response framework for protecting U.S. critical infrastructure from cyberattacks. *International Cybersecurity Law Review*, Springer Nature (2026). <https://doi.org/10.1365/s43439-026-00169-5>
- Md Rayhan Hassan Mahin; Partha Chakraborty; **Niropam Das**; Harleen Kaur; Hemayet Uddin Himel; Jobanpreet Kaur (2026), "Secured and Standardized Intelligent Zero-Touch 6G Framework for Edge-AI Applications," in *IEEE Communications Standards Magazine*, <https://doi.org/10.1109/MCOMSTD.2026.3660159>
- **IEEE Conference**: M. Nazmussakib, M. S. Sikder, M. A. K. P. Hemal, A. Al Zaiem, H. U. Himel and **N. Das**, "Adversarial Machine Learning for Robust Cyber Defense Systems," 2026 International Conference on Computing Theory and Wireless Communications (ICCTWC), Ichalkaranji, India, 2026, pp. 1-9, <https://doi.org/10.1109/ICCTWC68241.2026.11583629>
- **SpringerNature Conference**: **Das, N.**, Chakraborty, P., Goffer, M. A., Kaur, H., Tuhin, M. K., Shan-A-Alahi, A., & Halder, U. (2026). A Privacy-Preserving federated intrusion detection system leveraging secure Multi-Party computation across collaborative cloud tenants. *Lecture Notes in Networks and Systems*, 488–504. https://doi.org/10.1007/978-3-032-14197-2_42
- Goffer, M. A.; Uddin, M. S.; kaur, J.; Hasan, S. N.; Barikdar, C. R.; Hassan, J.; **Das, N.**; Chakraborty, P.; Hasan, R. AI-Enhanced Cyber Threat Detection and Response Advancing National Security in Critical Infrastructure . *JoPH* 2025, 5, 1667–1689, <https://doi.org/10.63332/joph.v5i3.965>
- Mahmud, F., Barikdar, C. R., Hassan, J., Goffer, M. A., **Das, N.**, Orthi, S. M., ... Hasan, R. (2025). AI-Driven Cybersecurity in IT Project Management: Enhancing Threat Detection and Risk Mitigation. *Journal of Posthumanism*, 5(4), 23–44. <https://doi.org/10.63332/joph.v5i4.974>
- Barua, A., Karim, F., Islam, M. M., **Das, N.**, Islam, F., Rahman, A., Debnath, P., Mitu Karmakar, & Khan, M. A. (2025). Optimizing energy consumption patterns in Southern california: An AI-Driven approach to sustainable resource management. *Journal of Ecohumanism*, 4(1). <https://doi.org/10.62754/joe.v4i1.6087>
- Islam, M. S., Islam, M. I., Mozumder, A. Q., Khan, M. T. H., **Das, N.**, & Mohammad, N. (2025). A Conceptual Framework for Sustainable AI-ERP Integration in Dark Factories: Synthesising TOE, TAM, and IS Success Models for Autonomous Industrial Environments. *Sustainability*, 17(20), 9234. <https://doi.org/10.3390/sul7209234>

- Hassan, Jahid, Habiba Rahman, Urmi Haldar, Sharmin Sultana, Md Mohibur Rahman, Partha Chakraborty, **Niropam Das**, and Clinton Ronjon Barikdar. "Implementing MIS solutions to support the national energy dominance strategy." *Journal of Posthumanism* 5, no. 5 (2025): 4343-4363, <https://doi.org/10.63332/joph.v5i5.1908>
- **Niropam Das**, H. R., Siddiqa, K. B., Barikdar, C. R., Hassan, J., Bhuiyan, M. M. R., & Mahmud, F. (2025). The Strategic Impact of Business Intelligence Tools: A Review of Decision-Making and Ambidexterity. *Membrane Technology*, 542-553, <https://doi.org/10.52710/mt.307>
- **Das, Niropam**. "AI-Powered Adaptive Infrastructure Maintenance & Lifespan Extension." *Journal of Computational Analysis and Applications (JoCAAA)*, 2025. <https://eudoxuspress.com/index.php/pub/article/view/3245>
- IEEE Conference: **N. Das**, A. Mambetaliev, S. Haque, M. T. H. Khan, O. Faruq and A. Karshiboev, "Future of IT Project Management Leveraging MIS, Data Analytics, and Generative AI for Enhanced Productivity and Innovation," 2025 International Conference on Metaverse and Current Trends in Computing (ICMCTC), Subang Jaya, Malaysia, 2025, pp. 1-12, <https://doi.org/10.1109/icmctc62214.2025.11196709>
- IEEE Conference: **Das, N.**, Sultana, S., Sikder, M. S., Himel, H. U., Saha, U. S., Rashed, R. A. M., & Uddin, M. S. (2025). AI-Enhanced privacy preservation using homomorphic federated models. 2025 1st International Conference on Advancement in Futuristic Technologies (ICAFT), 1–8. <https://doi.org/10.1109/icaft66710.2025.11453096>
- IEEE Conference: **N. Das** et al., "AI-enhanced Cyber Threat Detection: Transforming Security Frameworks in Management Information Systems," 2025 5th International Conference on Electrical, Computer and Energy Technologies (ICECET), Paris, France, 2025, pp. 1-6, <https://doi.org/10.1109/ICECET63943.2025.11472511>
- SpringerNature Conference: Foysal Mahmud, Mohammad Abdul Goffer, Habiba Rahman, Partha Chakraborty, **Niropam Das**, Shuchona Malek Orthi, Gazi Touhidul Alam (2025). The Role of Cloud-Based Management Information Systems in Enhancing IT Project Governance and Stakeholder Collaboration. In: Bansal, J.C., Jamwal, P., Hussain, S. (eds) Proceedings of the International Conference on AI and Robotics. AIR 2025. Lecture Notes in Networks and Systems, vol 1629. Springer, Cham. https://doi.org/10.1007/978-3-032-05548-4_1
- IEEE Conference: Rahman, M. M., Uddin, M. S., Rahman, M. M., Shammah, R. S., **Das, N.**, & Rahman, M. M. An Investigation of Face Detection and Feature Extraction Techniques in Deepfake Detection Using a Multi-Model Machine Learning Approach. <https://doi.org/10.1109/ICBATS66542.2025.11258249>
- Hossain, Sazzat, Bhuiyan, Mohammad Muzahidur Rahman, Islam, Md Shafiqul, Moniruzzaman, Mohammad, Ahmed, Md Kamal, **Das, Niropam** Saimon & Abu Saleh Muhammad & Manik, Mia Md Tofayel Gonee (2024). Big Data Analysis and prediction of COVID-2019 Epidemic Using Machine Learning Models in Healthcare Sector, *Journal of Ecohumanism*, Vol. 3 No. 8 (2024), 14468–14477, <https://doi.org/10.62754/joe.v3i8.6775>
- Mohammad Abdul, G., Partha, C., Habiba, R., Clinton Ronjon, B., **Niropam, D.**, Sazzat, H., & Md Ekrim, H. (2024). Leveraging Predictive Analytics In Management Information

Systems To Enhance Supply Chain Resilience And Mitigate Economic Disruptions. *Educational Administration: Theory and Practice*, 30(4), 11134-11144. DOI: <https://doi.org/10.53555/kuey.v30i4.9641>

- **Niropam Das**, Jahid Hassan, Habiba Rahman, Kazi Bushra Siddiqa, Shuchona Malek Orthi, Clinton Ronjon Barikdar, & Md Alamgir Miah. (2023). Leveraging Management Information Systems for Agile Project Management in Information Technology: A Comparative Analysis of Organizational Success Factors. *Journal of Business and Management Studies*, 5(3), 161-168. <https://doi.org/10.32996/jbms.2023.5.3.17>
- Hasan, S.N., Hassan, J., Barikdar, C.R., Chakraborty, P., Haldar, U., Asikur, M., Chy, R., Rozario, E., **Das, N.**, & Kaur, J. (2023). Enhancing Cybersecurity Threat Detection and Response Through Big Data Analytics in Management Information Systems. *Fuel Cells Bulletin*, <https://doi.org/10.52710/fcb.137>
- **Niropam Das**, Md Emran Hossain, Nisher Ahmed, S. T. H. Rimon, and Md Fahim Shahriar Hasib. "Harnessing AI Driven Predictive Maintenance: Transforming Manufacturing Efficiency and Reducing Downtime through Advanced Data Analytics." *Propel Journal of Academic Research*, vol. 2, no. 2, Dec. 2022, pp. 299-328. <https://www.neliti.com/publications/619509/harnessing-ai-driven-predictive-maintenance-transforming-manufacturing-efficiency>
- Ahmed, N., **Das, N.**, Chakraborty, P., Rahman, M. M., & Rahman, M. M. (2023). Sustainable IT and Green Computing: Leveraging Artificial Intelligence for Eco Friendly Innovations and Energy Efficient Technology Solutions. *Propel Journal of Academic Research*, 3(2), 154-173. <https://www.neliti.com/publications/619512/sustainable-it-and-green-computing-leveraging-artificial-intelligence-for-eco-friendly-innovations-and-energy-efficient-technology-solutions>
- Chakraborty, P., **Das, N.**, Faruq, O., Riipa, M.B., Haque, S.A. and Tarafder, M.T.R., 2022. Navigating Ethical Challenges in Big Data: Leveraging AI to Balance Innovation, Privacy Protection, and Transparent Decision Making. *International Journal of Management Perspective and Social Research*, 1(1 & 2), pp. 117-140. <https://ijmps.salmaedusociety.com/index.php/ijmps/article/view/25>

In addition to my formal academic and professional roles, I am actively engaged in independent research collaborations with fellow scholars to drive continued innovation in my field. I hereby declare that all the information provided in this curriculum vitae is true and accurate to the best of my knowledge.

Niropam Das

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August 5, 2026