

ANINDYA NAG



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Location: Damodar, Phultala, Damodar - 9210,
Khulna, Bangladesh

BIOGRAPHY

Anindya Nag (NID: 1504091131) obtained an M.Sc. in Computer Science and Engineering from Khulna University in Khulna, Bangladesh, and a B.Tech. in Computer Science and Engineering from Adamas University in Kolkata, India. He is currently a lecturer in the Department of Computer Science and Engineering at the Northern University of Business and Technology in Khulna, Bangladesh. His research focuses on health informatics, medical Internet of Things, neuroscience, and machine learning. He serves as a reviewer for numerous prestigious journals and international conferences. He has authored and co-authored about 67 publications, including journal articles, conference papers, book chapters, and has co-edited nine books.

EDUCATION

Master of Science | *Computer Science & Engineering Discipline*

January 2023 – November 2024

Khulna University, Khulna - 9208, Bangladesh.

Result: CGPA – 3.96 (Out of 4.00)

Courses: Research Methodology & Ethics, Network Optimization, Human-Computer Interaction, Advanced Probability & Statistics, Advanced Software Engineering, Software Evaluation & Maintenance

Bachelor of Technology | *Department of Computer Science & Engineering*

July 2018 – June 2022

Adamas University, Kolkata - 700126, India.

Result: CGPA – 9.64 (Out of 10)

Courses: Programming & Data Structures, Digital Electronics, Algorithm I & II, Operating Systems, Computer Networks, Database Management, Artificial Intelligence, Machine Learning, Computer Vision, Internet of Things, Mobile Computing, Operational Research, Information Retrieval, and more.

Higher Secondary Certificate | *Science*

May 2014–July 2016

Government Brajalal College, Khulna - 9202, Bangladesh.

Result: GPA – 5.00 (Out of 5.00)

Secondary School Certificate | *Science*

January 2012 — March 2014

Damodar M. M. Secondary School, Khulna - 9210, Bangladesh.

Result: GPA – 5.00 (Out of 5.00)

WORK EXPERIENCE

Lecturer

March 2024 – Ongoing

Department of Computer Science and Engineering

Northern University of Business & Technology Khulna, Khulna-9100, Bangladesh.

Courses Conducted: Object Oriented Programming I, Pattern Recognition, Digital Logic Design, and more.

Adjunct Lecturer

January 2023 – February 2024

Department of Computer Science and Engineering
North Western University, Khulna - 9100, Bangladesh

Courses Conducted: Computer Programming, Numerical Analysis, Digital Logic Design, Artificial Intelligence, and more.

PUBLICATION

Summary of Publications

Total articles - 67 (First/Corresponding author's articles - 38, marked as ‡), Citations 236, h-index-9, i-10 index-8 (Google Scholar, June 2025.) You can access [Google Scholar from here](#).

Edited Books

2025

- **CRC Press, Taylor & Francis, USA (2025):** C Kishor Kumar Reddy, **Anindya Nag**, Lavanya Pamulaparty, Mariya Ouaisa, Marlia Mohd Hanafiah. "Generative AI in Neurology: Advancing Neurodegenerative Disease Treatment", ISBN: 9781041082156 (Access Link).
- **Springer Nature, Switzerland (2025):** **Anindya Nag**, Md. Mehedi Hassan, Anupam Kumar Bairagi. "Feature Fusion for Next-Generation AI: Building Intelligent Solutions from Medical Data", ISBN: 978-3-031-94388-1 (Access Link).
- **River Publishers (Partner of IEEE), Denmark (2025):** **Anindya Nag**, Md. Mehedi Hassan, Asif Karim, C Kishor Kumar Reddy. "Generative AI in Neurodegenerative Disorders: Innovations, Views, and Obstacles", ISBN: 9788743801757 "(Access Link).
- **CRC Press, Taylor & Francis, USA (2025):** C Kishor Kumar Reddy, **Anindya Nag**. "Federated Learning for Neural Disorders in Healthcare 6.0", ISBN: 9781032968872 (Access Link).
- **Cambridge Scholars Publishing, United Kingdom (2025):** C Kishor Kumar Reddy, **Anindya Nag**, Anupam Kumar Bairagi. "AI Applications in Agriculture: Enhancing Productivity and Sustainability", ISBN: 1-0364-5220-4 (Access Link).
- Kishor Kumar Reddy C, Binju Saju, Shikha Khullar, **Anindya Nag**, Srinath Doss. "Generative AI and Robotics in Sustainable Agriculture: Advancing Smart Farming Systems" *Bentham Science Publishers* (In Progress)
- Kishor Kumar Reddy C, Sarika S, Shikha Khullar, **Anindya Nag**. "Agentic AI for Fraud Detection: Building Autonomous Systems for Secure Transactions and Risk Mitigation" *Cambridge Scholars Publishing* (In Progress)
- Kishor Kumar Reddy C, Sarika S, Shikha Khullar, **Anindya Nag**. "Agent Based Artificial Intelligence in Fraud Detection: Strategies for Building Secure Self-Governing Systems" *Bentham Science Publishers* (In Progress)
- Kishor Kumar Reddy C, Shikha Khullar, **Anindya Nag**, Srinath Doss. "Green Blocks: Cultivating Agriculture through Blockchain" *Bentham Science Publishers* (In Progress)

2024

- C. Kishor Kumar Reddy, P. Dhanalakshmi, Shugufta Fatima, **Anindya Nag**. "The Metaverse Transformation Blockchain and Healthcare in Industry 6.0" *Cambridge Scholars* (In Press)
- C. Kishor Kumar Reddy, Vijay Kumar Sadanand, **Anindya Nag**, Haifa Nakouri. "Next-Gen Supply Chains: Technologies, Trends, and the Future of Global Operations" *Cambridge Scholars* (In Press)
- **Anindya Nag**, MD. Mehedi Hassan, Riya Sil, Asif Karim. "Smart Systems for Global Health: AI, IoT, and the Green Transition" *CRC Press* (In Press)
- Md. Mehedi Hassan, **Anindya Nag**, Shariful Islam, Herat Joshi. "Graph Neural Networks for Neurological Disorders: Fundamentals, Applications, and Benefits in Research and Diagnostics." *Springer Nature* (In Press)
- C Kishor Kumar Reddy, **Anindya Nag**, Subhendu Kumar Pani. "Intelligent Systems for Remote Sensing and Environmental Degradation in Industry 6.0: Advances and Challenges for Sustainable Development" *Bentham Science Publishers* (In Press)

- **Cambridge Scholars Publishing, United Kingdom (2024):** C Kishor Kumar Reddy, **Anindya Nag**. "Advancing Disaster Management Through Federated Learning: A Comprehensive Guide", ISBN: 1-0364-1856-1 (Access Link).
- **Springer Nature, Switzerland (2024):** C Kishor Kumar Reddy, **Anindya Nag**, Mariya Ouaisa, Bharat Bhushan, and Marlia M. Hanafiah. "The Rise of Quantum Computing in Industry 6.0 Towards Sustainability: Revolutionizing Smart Disaster Management", ISBN: 978-3-031-73349-9 (Access Link).

Journal Articles

2025

- **Impact Factor: 2.6:** Md. Mehedi Hassan, **Anindya Nag**, Riya Biswas, Md Shahin Ali, Sadika Zaman, Anupam Kumar Bairagi, Chetna Kaushal "Explainable artificial intelligence for natural language processing: A survey." *Data & Knowledge Engineering*, (2025).
- **Impact Factor: 1.8:** Animesh Kairi, Tapas Bhadra, Saroj Kumar Pandey, Anurag Sinha, **Anindya Nag** "Adaptive DNA Cryptography With Intelligent Machine Learning for Cloud Data Defense." *Engineering Reports*, (2025).[‡](#)
- **Cite Score: 3.9::** Md. Rabiul Islam, Tapan Kumar Godder, Ahsan-Ul-Ambia, Ferdib-Al-Islam, **Anindya Nag**, Bulbul Ahamed, Nujhut Tanzim. Md. Estiak Ahmed "Ensemble model-based arrhythmia classification with local interpretable model-agnostic explanations." *IAES International Journal of Artificial Intelligence (IJ-AI)*, (2025).

2024

- **Cite Score: 3.1:** Sutapa Dey Barna, Mst. Nusrat Jahan, Sasbir Rahman Sium, **Anindya Nag**, Md. Hridoy Ali, Sagar Kumar Dutta "Sustainable cost-effective chemically modified banana leaf powder for methyl blue dye removal: kinetics, isotherm, thermodynamics and artificial intelligence-based analysis." *Discov. Chem.* 1, 38 (2024).
- **Impact Factor: 3.8:** Balraj Singh, Alireza Sepahvand, Parveen Sihag, Karan Singh, Chander Prabha, **Anindya Nag**, Md. Mehedi Hassan, S. Vimal, Dongwann Kang "Development of soft computing-based models for forecasting water quality index of Lorestan Province, Iran." *Scientific Reports* 14, 25980 (2024).
- **Impact Factor: 3.6:** **Anindya Nag**, Hirak Mondal, Md Mehedi Hassan, Taher Al-Shehari, Mohammed Kadrie, Muna Al-Razgan, Taha Alfakih, Sujit Biswas, Anupam Kumar Bairagi. "TumorGANet: A Transfer Learning and Generative Adversarial Network-based Data Augmentation Model for Brain Tumor Classification." *IEEE Access* 12, (2024).[‡](#)
- **Impact Factor: 2.56:** Moupriya Das, **Anindya Nag**, Md. Mehedi Hassan, Arkya Santra, Nisarga Chand, Farhana Yasmin, Anurag Sinha, Anupam Kumar Bairagi, Ahmed Alkhayyat. "Synergy of 6G technology and IoT networks for transformative applications." *International Journal of Communication Systems*, (2024).
- **Impact Factor: 3.6:** **Anindya Nag**, Md. Mehedi Hassan, Ayontika Das, Anurag Sinha, Nisarga Chand, Anwesha Kar, Vandana Sharma, Ahmed Alkhayyat. "Exploring the applications and security threats of Internet of Thing in the cloud computing paradigm: A comprehensive study on the cloud of things." *Transactions on Emerging Telecommunications Technologies*, (2024).[‡](#)
- **Impact Factor: 0.252:** **Anindya Nag**, Md. Mehedi Hassan, Ayontika Das, Anurag Sinha, Moupriya Das, G. Madhukar Rao, Md Shahin Ali, Chetna Kaushal, Biresh Kumar, Neetu Singh. "A comprehensive review of automated sarcasm detection techniques on Twitter." *International Journal of Services, Economics and Management*, (2024).[‡](#)

2023

- **Impact Factor: 3.6:** Md. Mehedi Hassan, Mohammad Abu Tareq Rony, Md Asif Rakib Khan, Md Mahedi Hassan, Farhana Yasmin, **Anindya Nag**, Tazria Helal Zarin, Anupam Kumar Bairagi, Samah Alshathri, and Walid El-Shafai. "Machine learning-based rainfall prediction: Unveiling insights and forecasting for improved preparedness." *IEEE Access* 11, (2023).
- Riya Sil, **Anindya Nag**, Shabana Parveen, Bijoy Kumar Nath. "Intelligent Response System for Indian Law: An Approach to Women's Security." *Journal of Network and Innovative Computing (JNIC)*, Volume 11, pp. 047-057, (2023).[‡](#)
- **Impact Factor: 2.01:** Riya Sil, **Anindya Nag**, Bijoy Kumar Nath, Pretam Chandra. "Blood In Need: An Application for Blood Management." *International Journal of Computer Information Systems and Industrial Management Applications* Volume 15, pp. 124-140, (2023).[‡](#)
- **Impact Factor: 0.3:** **Anindya Nag**, Gulfishan Mobin, Ayontika Das, Anwesha Kar, Soubhik Kar. "A Simple Application: Cloud-Based Vehicle Tracking System." *Journal of Information Assurance and Security* Volume 18, pp. 067-078, (2023).[‡](#)

- **Anindya Nag**, Bijoy Kumar Nath, Nilanjana Roy, Riya Sil. "Shohayota: An Intelligent Response System for Safety." *Journal of Network and Innovative Computing (JNIC)*, Volume 11, pp. 011-020, (2023).[‡] .

Conference Proceedings

2025

- **Conference Country: Cox's Bazar, Bangladesh:** Nadim Samrat, Mazharul Islam, Sadia Sharmi, Rasmy Akter, Anjan Debnath, M. Raihan, **Anindya Nag**, Anupam Kumar Bairagi. "Explainable AI-Driven Handwriting Analysis for Early Alzheimer's Disease Detection Using Machine Learning and Ensemble Models." *In Proceedings of 27th International Conference on Computer and Information Technology* vol 1, June 10, (2025).[‡]
- **Conference Country: Cox's Bazar, Bangladesh:** Kamrul Golder, **Anindya Nag**, Fahim Faisal Tarun, Hirak Mondal, Md. Mehedi Hassan, Asif Karim. "EmotionRF: Enhancing Emotion Classification from EEG Signals Using Machine Learning with Explainable AI." *In Proceedings of 27th International Conference on Computer and Information Technology* vol 1, June 10, (2025).[‡]
- **Conference Country: Cox's Bazar, Bangladesh:** Jannatul Ferdous, **Anindya Nag**, Shish Been Baha Uddin, Rameswar Debnath. "Real-Time and Automated Student Attention Monitoring System in Classroom Using Deep Learning Techniques." *In Proceedings of 27th International Conference on Computer and Information Technology* vol 1, June 10, (2025).[‡]
- **Conference Country: Chittagong, Bangladesh:** Hirak Mondal. Kamrul Golder, Towfeka Benta Towhid, Bushra Jamil, **Anindya Nag**, Anupam Tarafder, Anindya Mozumder, Md Asaduzzaman. "Enhanced Interpretability in Depression Classification with the Use of Machine Learning Models with Explainable AI." *In Proceedings of International Conference on Electrical, Computer and Communication Engineering* vol 1, May 30, (2025).[‡]
- **Conference Country: Bhopal, India:** Md Aminul Islam, **Anindya Nag**, Pretam Chandra, Bhupesh Kumar Mishra, S. M. Firoz Ahmed Fahim and Md Mozammel Hoque. "Healthcare Cost Patterns and Prediction: Investigating Personal Datasets Using Data Analytics." *In Proceedings of 3rd International Conference on Signal and Data Processing*, vol 1, May 03, (2025).
- **Conference Country: Noida, India:** Md Aminul Islam, **Anindya Nag**, Ayontika Das, Jobaer Faruque, Shabbir Ahmed Shuvo, Abdullah Hafez Nur and Md Habibur Rahman. "A Novel Approach for Performance Evaluation and Effectiveness of Data-Driven Heart Disease Diagnosis." *In Proceedings of International Conference on Advances and Applications of Artificial Intelligence and Machine Learning*, vol 1, March 17, (2025).
- **Conference Country: Hyderabad, India:** Mohammad Abu Tareq Rony, Mohammad Shariful Islam, Pritom Saha, Fatama Tuz Johora, Mejbah Ahammad, Shah Md Nazmul Alam, Md Saifur Rahman and **Anindya Nag**. "Deciphering Diabetes: Illuminating Prognostic Insights with an Interpretable Machine Learning Framework." *In Proceedings of 3rd Conference on Intelligent Systems and Sustainable Computing*, vol 417, March 01, (2025).
- **Conference Country: Aizawl, India:** Md Aminul Islam, **Anindya Nag**, Kashinath Basu, Ayontika Das, G. M. Mujahidul Haq and Arjan Ghosh. "Exploring Efficient Model for Agricultural Commodity Price Prediction Using Data Analytics." *In Proceedings of International Conference on Data, Electronics and Computing*, vol 1, February 27, (2025).

2024

- **Conference Country: Dhaka, Bangladesh:** Sheikh Ridwan Raihan Kabir, Hirak Mondal, **Anindya Nag**, S. M. Hasan Jamil and Piya Das. "Identification of Lung Cancer Using Particle Swarm Optimization and Machine Learning Technique." *In Proceedings of 3rd International Conference on Trends in Electronics and Health Informatics, Lecture Notes in Networks and Systems*, vol 1034, October 17, (2024).[‡]
- **Conference Country: Salem, India:** Conference Country: **Noida, India:** Rithika Ango, Kishor Kumar Reddy C, Shugufta Fatima, **Anindya Nag**. "Brain Connectivity Analysis in Alzheimer's disease using Graph Convolutional Network." *In Proceedings of 4th International Conference on Soft Computing for Security Applications* pp. 133-139, September 24-25, (2024).
- **Conference Country: Prague, Czech Republic:** **Anindya Nag**, Md. Mehedi Hassan, Dishari Mandal, Nisarga Chand, Md Babul Islam, V. P. Meena, Francesco Benedetto. "A Review of Machine Learning Methods for IoT Network-centric Anomaly Detection." *In Proceedings of 47th International Conference on Telecommunications and Signal Processing* pp. 26-31, July 30, (2024).[‡]

- **Conference Country: India:** Md Aminul Islam, **Anindya Nag**, Nilanjana Roy, Arpita Rani Dey, SM Firoz Ahmed Fahim, and Arjan Ghosh. "An Investigation into the Prediction of Annual Income Levels Through the Utilization of Demographic Features Employing the Modified UCI Adult Dataset." *In Proceedings of International Conference on Computing, Communication, and Intelligent Systems* pp. 1080-1086, July 30, (2024).
- **Conference Country: India:** **Anindya Nag**, Dishari Mandal, Nilanjana Roy, S. M. Firoz Ahmed Fahim, Nisarga Chand. "A Survey on Wireless Sensor Network Routing Performance Optimizing and Security Techniques." *In Proceedings of 4th International Conference on Frontiers in Computing and Systems* pp. 163–177, July 05, (2024).‡
- **Conference Country: Bangladesh:** **Anindya Nag**, Hirak Mondal, Sheikh Ridwan Raihan Kabir, Md. Rabiul Islam, Md. Estiak Ahmed, S M Hasan Jamil. "Emotion Decoding: An Extensive Examination of Electroencephalogram Signals Using Explainable Machine Learning." *In Proceedings of 6th International Conference on Electrical Engineering and Information & Communication Technology* pp. 604-609, May 23, (2024).‡
- **Conference Country: India:** Md Aminul Islam, **Anindya Nag** Saumik Chowdhury, SM Firoz Ahmed Fahim; Arjan Ghosh, Nahi Mumtaj. "Utilization of Encoding, Early Stopping, Hyper Parameter Tuning, and Machine Learning Models for Bank Fraud Detection." *In Proceedings of 9th International Women in Engineering Conference on Electrical and Computer Engineering* pp. 321-327, March 26, (2024).
- **Conference Country: Bangladesh:** Arafat Rahaman, **Anindya Nag**, Anupam Kumar Bairagi. "A Hybrid Model for Recognizing Human Activity Using Extreme Learning." *In Proceedings of 26th International Conference on Computer and Information Technology* pp. 1-6, February 27, (2024).
- **Conference Country: Spain:** **Anindya Nag**, Biva Das, Riya Sil, Alaa Ali Hameed, Bharat Bhushan, and Akhtar Jamil. "A Survey on Image-based Cardiac Diagnosis Prediction using Machine Learning and Deep Learning Techniques." *In Proceedings of 2th International Conference on Computing, IoT, and Data Analytics* pp. 478–491, February 22, (2024).‡
- **Conference Country: India:** **Anindya Nag**, Dishari Mandal, and Gulfishan Mobin. "A comparison of the several speech tagging models used in NLP." *In Proceedings of International Conference on Data Science and Communication* pp 613–625, January 03 (2024).‡

2023

- **Conference Country: Olten, Switzerland:** **Anindya Nag**, Ayontika Das, Riya Sil, Anwesha Kar, Dishari Mandal, Biva Das. "Application of Artificial Intelligence in Mental Health." *In Proceedings of 23rd International Conference on Intelligent Systems Design and Applications* pp. 128–141, May 31, (2023).‡
- **Conference Country: Olten, Switzerland:** **Anindya Nag**, Gulfishan Mobin, Anwesha Kar, Pretam Chandra. "A review on cloud-based smart applications." *In Proceedings of 23rd International Conference* pp. 387–403, May 31, (2023).‡

Book Chapters

2025

- K M Danial Sadar, Md. Shahariar Tasin, **Anindya Nag**, Kaysun Molla, Anindita Guho, Pranto Bosu, Md. Mehedi Hassan. "Deep Enhancing Lettuce Growth Efficiency and Assessing Environmental Impact Using Ensemble Machine Learning Models with Explainable AI." *AI Applications in Agriculture: Enhancing Productivity and Sustainability*, Cambridge Scholars Publishing, (2025).
- K M Danial Sadar, Salman Islam, Sheikh Ridwan Raihan Kabir, **Anindya Nag**, Md. Shahariar Tasin, Pranto Bosu, Md. Mehedi Hassan. "A Data-Driven Approach for corn disease detection using deep learning models with explainable AI." *AI Applications in Agriculture: Enhancing Productivity and Sustainability*, Cambridge Scholars Publishing, (2025).
- V. V. N. Devi Mani Priya, Shugufta Fatima, C. Kishor Kumar Reddy, **Anindya Nag**. "Role of AI in Estimating Potential Aftershocks During Earthquake." *Emerging AI Applications in Earth Sciences: Challenges, Impact and Analysis*, Springer, Cham, (2025).
- Shugufta Fatima, Sri Chandana Bangali, C. Kishor Kumar Reddy, **Anindya Nag**, "AI-Driven Insights into Fault Movements and Earthquake Dynamics." *Emerging AI Applications in Earth Sciences: Challenges, Impact and Analysis*, Springer, Cham, (2025).
- Tamanna Haque Ritu, Hirak Mondal, **Anindya Nag**, Riya Sil. "Brain Network Dynamics: Implications for Health and Disease." *Brain Networks in Neuroscience: Personalization Unveiled Via Artificial Intelligence*, River Publishers, (2025).‡
- Arafat Rahman, Ayontika Das, **Anindya Nag**, Tamanna Zubairi Sann. "Deciphering Minds and Motion: A Unified Exploration of Brain Signal Decoding and Activity Recognition Through AI-driven Analysis." *Brain Networks in Neuroscience: Personalization Unveiled Via Artificial Intelligence*, River Publishers, (2025).‡

- Hirak Mondal, **Anindya Nag**, Md. Mushfiqur Rahman, Anupam Kumar Bairagi. "Interpreting Electroencephalogram Brain Signals: Insights from AI-driven Analysis." *Brain Networks in Neuroscience: Personalization Unveiled Via Artificial Intelligence*, River Publishers, (2025). ‡
- Akshita Sunerah, Shugufta Fatima, Kishor Kumar Reddy C, **Anindya Nag**. "Harnessing Federated Learning to Revolutionize Climate Change Adaptation and Mitigation in Industry 6.0." *Advancing Disaster Management Through Federated Learning: A Comprehensive Guide*, Cambridge Scholars Publishing, (2025).
- **Anindya Nag**, Md. Mehedi Hassan, Mohammad Abu Tareq Rony, Biva Das, Riya Sil, Prianka Saha, Pronab Sarker, Anupam Kumar Bairagi. "Fusing Sentiment Analysis with Hybrid Collaborative Algorithms for Enhanced Recommender Systems." *Wellness Management Powered by AI Technologies*, Scrivener Publishing LLC, (2025). ‡

2024

- Shugufta Fatima, C Kishor Kumar Reddy, **Anindya Nag**, Sahithi Reddy Pullannagari. "Leveraging Quantum Computing for Enhanced Decision Support in Disaster Management." *The Rise of Quantum Computing in Industry 6.0 Towards Sustainability: Revolutionizing Smart Disaster Management*, Springer, Cham, (2024).
- Tamanna Haque Ritu, **Anindya Nag**, Anupam Kumar Bairagi, Arafat Rahman. "Digital Twins for Healthcare in Industry 5.0: Fundamentals, Pharmaceutical Manufacturing Applications, Diagnostic Precision, Digital Patient Innovations, and Drug Discovery Impact." *Soft Computing in Industry 5.0 for Sustainability*, Springer, Cham, (2024). ‡
- S. Babu Reddy, Riya Kathpalia, Riya Sil, **Anindya Nag**. "Tourism Companion: Enhancing Travel Experiences with AI Chatbot and Soft Computing." *Soft Computing in Industry 5.0 for Sustainability*, Springer, Cham, (2024).
- **Anindya Nag**, Hirak Mondal, Md. Mehedi Hassan, Prianka Saha. "Transcending Boundaries: Assessing Transfer Learning's Effectiveness in ECG-Based Heart Disease Prediction." *Soft Computing in Industry 5.0 for Sustainability*, Springer, Cham, (2024). ‡
- Subhasish Mohapatra, Riya Sil, and **Anindya Nag**. "Driving Sustainable Practices in Industry 6.0: A Study on Article Detection with Fuzzy-Wuzzy and Supervised Machine Learning Algorithms." *Evolution and Advances in Computing Technologies for Industry 6.0: Technology, Practices, and Challenges*, CRC Press, (2024). ‡
- Gulfishan Mobin, Riya Sil, and **Anindya Nag**. "An Overview of Cloud Computing: Paradigm, Technologies, and Application." *Evolution and Advances in Computing Technologies for Industry 6.0: Technology, Practices, and Challenges*, CRC Press, (2024). ‡
- **Anindya Nag**, Ayontika Das, Biva Das, Moupriya Das, Anupam Kumar Bairagi. "Machine learning feature selection method for anatomic brain MRI in dementia: A comparative study." *Artificial Intelligence based Solutions for Industrial Applications*, CRC Press, (2024). ‡
- C. Kishor Kumar Reddy, Arshita Chintalapalli, and **Anindya Nag**. "Harnessing Computational Intelligence for Educational Transformation." *Internet of Behavior-Based Computational Intelligence for Smart Education Systems*, IGI Global, (2024).
- T. Monika Singh, C. Kishor Kumar Reddy, B. V. Ramana Murthy, **Anindya Nag**, Srinath Doss. "Internet of Behavior-Based Computational Intelligence for Smart Education Systems." *Internet of Behavior-Based Computational Intelligence for Smart Education Systems*, IGI Global, (2024).
- **Anindya Nag**, Biva Das, Riya Sill, Anupam Kumar Bairagi, Alok Dutta, Pranto Bosu. "Application of Artificial Intelligence in the Diagnosis and Treatment of Cancer: A Comprehensive Review." *Internet of Things and Big Data Analytics-Based Manufacturing*, CRC Press, (2024). ‡
- Hirak Mondal, Saima Siddika, **Anindya Nag**, and Anupam Kumar Bairagi. "Diabalance ML: Enhancing diabetes detection performance through dataset balancing strategies." *Industry 6.0: Technology, Practices, Challenges, and Applications*, CRC Press, (2024). ‡
- Ayontika Das, **Anindya Nag**, Biva Das, and Riya Paul. "A study of Cloud of Things enabled Machine learning based Smart health monitoring system." *Sustainability in Industry 5.0: Theory and Applications*, CRC Press, (2024). ‡
- Anwesa Sarkar, **Anindya Nag**, Moyuri Sen, and Nisarga Chand. "Exploring the Feasibility of the Internet of Things in the Context of Intelligent Healthcare Solutions: A Review." *Intelligent Systems and Industrial Internet of Things for Sustainable Development*, Chapman and Hall/CRC, (2024). ‡
- **Anindya Nag**, Ayontika Das, Nisarga Chand, Nilanjana Roy, and Nisarga Chand. "Sustainable Agriculture: A Critical Analysis of Internet of Things - Based Solutions." *Intelligent Systems and Industrial Internet of Things for Sustainable Development*, Chapman and Hall/CRC, (2024). ‡
- **Anindya Nag**, Md. Mehedi Hassan, Ayontika Das, Chetna Kaushal, and Deepak Thakur. "Blockchain-based identity authentication for Internet of Things systems: A Comprehensive Survey." *Artificial Intelligence and Internet of Things based Augmented Trends for Data-Driven Systems*, CRC Press, (2024). ‡

- Prianka Saha, Tamanna Haque Ritu, **Anindya Nag**, Riya Sil. "Enhancing Medication Traceability: Advancements in Pharmaceutical Supply Chain Traceability through Blockchain and IoT." *Exploring the Advancements and Future Directions of Digital Twins in Healthcare 6.0*, IGI Global, (2024).[‡](#)
- Hirak Mondal, Saima Siddika, **Anindya Nag**, Riya Sil. "Unveiling the Essence of Digital Twins: A Comprehensive Study on Digital Twins for Future Innovation." *Exploring the Advancements and Future Directions of Digital Twins in Healthcare 6.0*, IGI Global, (2024).[‡](#)
- Hirak Mondal, Md. Mehedi Hassan, **Anindya Nag**, and Anupam Kumar Bairagi "The Integration of Federated Deep Learning with Internet of Things in Healthcare." *Federated Deep Learning for Healthcare: A Practical Guide with Challenges and Opportunities*, CRC Press, (2024).[‡](#)

JOURNAL ARTICLE REVIEW EXPERIENCES

- **Pattern Recognition**, Elsevier.
- **IEEE Access**, IEEE.
- **Transactions on Emerging Telecommunications Technologies**, Wiley.
- **Human-Centric Intelligent Systems**, Springer.
- **PLOS Digital Health**, PLOS.
- **Frontiers in Nutrition**, Frontiers.
- **Frontiers in Oncology**, Frontiers.
- **Computer Methods in Biomechanics and Biomedical Engineering**, Taylor & Francis.
- **Artificial Intelligence and Applications**, Bon View Publishing.
- **International Journal of Computing and Digital Systems**, University of Bahrain, Bahrain.

CONFERENCES REVIEW EXPERIENCES

WcCST-2026: World Conference on Computational Science & Technology Conference Location: Punjab, India Publication Partner: IEEE	March -2026
INCSTIC-2025: 1 st International Conference on Smart Technologies & Intelligent Computing Conference Location: Haryana, India. Publication Partner: CRC Press	October -2025
ICRTCIS - 2025: 6 th International Conference on Recent Trends in Communication & Intelligent System Conference Location: Jaipur, Rajasthan, India. Publication Partner: Springer, IET	June -2025
InCACCT-2025: 3 rd International Conference on Advancement in Computation & Computer Technologies Conference Location: Jaipur, Rajasthan, India. Publication Partner: IEEE	April -2025
IISU-ASSET -2025: International Conference on AI Systems and Sustainable Technologies Conference Location: Jaipur, India Publication Partner: Springer	March -2025
STI-2024: 6 th International Conference on Sustainable Technologies for Industry 5.0 Conference Location: Dhaka, Bangladesh Publication Partner: Springer	December- 2024
ICRTAC-2024: 7 th International Conference on Recent Trends in Advanced Computing Conference Location: Chennai, India Publication Partner: Springer	November- 2024
ICETAI-2024: 2 nd International Conference on Emerging Trends and Applications in Artificial Intelligence Conference Location: Baghdad, Iraq Publication Partner: IEEE	September- 2024

AIBThings-2024: 2 nd International Conference on Artificial Intelligence, Blockchain, and Internet of Things Conference Location: Michigan, USA Publication Partner: IEEE	September- 2024
ICSCPS-2024: International Conference on Smart Cyber-Physical Systems Conference Location: Delhi NCR, India Publication Partner: IEEE	September- 2024
ICCTAC-2024: International Conference on Current Trends in Advanced Computing Conference Location: Bengaluru, India Publication Partner: Springer	May - 2024
ICCCIS-2023: 4 th International Conference on Computing Communication, and Intelligent Systems Conference Location: Uttar Pradesh, India Publication Partner: IEEE	November - 2023

MEMBERSHIP OF SCIENTIFIC SOCIETIES

Institute of Electrical and Electronics Engineers (IEEE) Graduate Student Member & IEEE Young Professionals	(From 2023 - Now)
International Association of Engineers (IAENG) Professional Member	(From 2023 - Now)

HONORS AND AWARDS

National Science and Technology (NST) Fellowship Ministry of Science and Technology, Bangladesh	Session: 2023-2024
Dean's List Awarded the Dean's List Student accolade for exceptional academic performance in the B.Tech (Computer Science Engineering) Program at Adamas University.	Session: 2020-2021
Merit Scholarship The Adamas University Merit Scholarship for the 2020-2021 session is awarded based on academic performance.	Session: 2020-2021

SKILLS

Languages: English (Full Professional Proficiency), Bangla (Native), Hindi (Limited Working Proficiency)
Programming: Python (NumPy, SciPy, Matplotlib, Pandas), C, C++
Platforms:: Visual Studio, Google Collab, Anaconda, PyCharm, Web, Windows, Arduino
Tools:MySQL Workbench
Document Creation: Microsoft Office Suite, LaTeX
Soft Skills:: Teamwork, Leadership, Communication, Project Management, Writing, Time Management

PROJECTS

Cloud-Based Vehicle Tracking System Developed an RFID-based parking management system that records vehicle in-time and out-time, provides instant access to car and owner details, supports multiple gate monitoring, and allows easy vehicle tracking through a centralized website.	March 2022 – June 2022
Foodazon: Canteen Management System Developed a canteen management system using Laravel and MySQL, to efficiently manage and store records, meeting all operational objectives and expectations.	August 2021 – November 2021
Analyze Crop Production of India As an Intern at <i>Spotle.ai</i> through the NASSCOM Community AI Internship , I analyzed crop production in India, developed a model to predict rice yields, and published an article on <u>AI in Agriculture: An Emerging Era in Technology</u> in the <i>NASSCOM Community</i> .	July 2021 – September 2021

Basic Banking System ‡

March 2021 – June 2021

As a **Web Development & Designing Intern** at *The Sparks Foundation* under the Graduate Rotational Internship Program (GRIP), developed and hosted a Basic Banking System website using HTML, CSS, and JavaScript, showcasing account-to-account money transfers.

Data-Science-and-Business-Analytics

January 2021 – March 2021

As a **Data Science & Business Analytics Intern** at *The Sparks Foundation* under the Graduate Rotational Internship Program (GRIP), I developed supervised and unsupervised ML models and conducted exploratory data analysis to optimize retail business strategies.

CERTIFICATIONS ‡

- **Introduction to IoT and Introduction to Cybersecurity** by *CISCO*.
- **Advance Your Skills in Deep Learning and Neural Networks** from *LinkedIn Learning*.
- *Python for beginners- Learn all the basics of Python, and Introduction to Data Structures & Algorithms* from *Udemy*.
- **Excel Skills for Business: Essentials, Introduction to Machine Learning, Computer Vision Basics, and Python Data Structures** from *Coursera*.

REFERENCES

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Stanley College of Engineering & Technology for Women, Hyderabad, Telangana, India

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DECLARATION

I hereby declare that all the details mentioned above are by the truth and fact as per my knowledge, and I hold the responsibility for the correctness of the above-mentioned particulars.



Anindya Nag