

Gourango Mandal

Malda, West Bengal, India

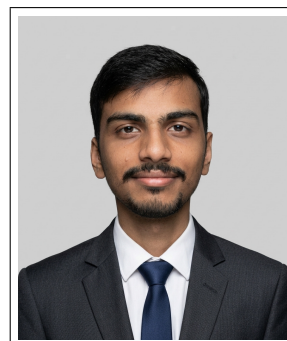
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PROFESSIONAL SUMMARY

Computer Science and Engineering graduate, M.Tech. in Software Engineering, specialization in Machine Learning, Artificial Intelligence, IoT and healthcare applications. Experienced in teaching, Deep Learning, Biomedical Imaging, Software Development, and Applied Research. Seeking an Assistant Professor position to contribute to teaching, research, and student mentoring.

WORK EXPERIENCE

- **Developer and Technical Instructor**

Young Mind Exim Pvt. Ltd., Kolkata

July 2023–July 2024

Delivered technical training and supported programming and software development projects.

RESEARCH EXPERIENCE

- **Research Intern**

May–Aug 2026

IEEE Systems, Man, and Cybernetics Society Student Branch Chapter, KGECE

Worked on **MedMNIST-Defer: A Cross-Modality Benchmark for Selective Prediction in Biomedical Imaging**.

ACADEMIC QUALIFICATIONS

Degree	Institution	Year	CGPA/Marks
M.Tech (SE)	Maulana Abul Kalam Azad University of Technology, Haringhata	2026	8.32
B.Tech (CSE)	IMPS College of Engineering and Technology, Malda	2023	9.31
Diploma (CST)	Nalhati Government Polytechnic, Birbhum	2020	7.80
Class XII	WBCHSE Board	2017	84.00%
Class X	WBBSE Board	2015	68.00%

TEACHING INTERESTS

Data Structures, Database Management Systems (DBMS), Artificial Intelligence, Machine Learning, Python Programming,

M.TECH THESIS

Chronic Kidney Disease Prediction Using Machine learning and Transfer Learning Models Under the supervision of **Dr.Amiya Karmakar, MAKAUT** and **Dr. Suparna Biswas, MAKAUT**

- Developed ML models and Transfer Models for disease prediction using clinical datasets.

RESEARCH PUBLICATIONS

Book Chapter (Accepted/In Press)

Gourango Mandal, Musakalim Khan, *Introduction to Deep Learning in Earth and Environmental Research Science: Opportunities, Challenges, and Sustainable Integration*, Wiley, Accepted (In Press). 2025

Conference Paper (Submitted)

Gourango Mandal et al., *Machine Learning Approach for Chronic Kidney Disease Prediction with Severity Analysis and Carbon Footprint Evaluation*, Submitted to the 7th International Conference on Frontiers in Computing and Systems (COMSYS), Presented 2026

INTELLECTUAL PROPERTY / REGISTERED DESIGNS

- **ML-Based Wearable Patch for Continuous Health Monitoring**
UK Registered Design No. **6531196** **Granted: June 2026**
- **Cloud-Connected AI Network Health Monitor**
Indian Design Application No. **460833-001** **Filed: May 2025**
Status: Case is in Amended Case of Controller

RESEARCH INTERESTS

Machine Learning, Deep Learning, Internet of Medical Things (IoMT), Smart Healthcare Systems, IoT, Network Security

TECHNICAL SKILLS

Programming	Python, C, C++
IoT	Raspberry Pi, MAX30102, Pulse Sensor
Machine Learning	ANN, LSTM, Random Forest
Tools	MATLAB, Jupyter, Google Colab
Cloud	ThingSpeak, Firebase, MySQL
Version Control	Git, GitHub

PROFESSIONAL MEMBERSHIP

- Graduate Student Member, IEEE
Membership ID: 100856745
- Member of IEEE Communications Society.
- Member of IEEE Systems, Man, and Cybernetics Society(SMCS).
- Member of IEEE Young Professionals.

ACADEMIC PROJECTS

- **IoT-Based Healthcare Monitoring System**
Real-time physiological data monitoring with cloud integration.

- **Machine Learning Disease Prediction**

Applied classification algorithms on healthcare datasets.

RESEARCH TRAINING, FACULTY DEVELOPMENT PROGRAMMES AND CERTIFICATIONS

- **Academic Training on Green AI in Healthcare**

Organized by Department of Computer Science and Engineering, OmDayal Group of Institutions
In association with IEEE Computer Society Kolkata Section Feb 2026

- **Bootcamp on Machine Learning for Cyber Security**

C-DAC Hyderabad (FutureSkills PRIME – MeitY–NASSCOM) Oct 2025
Intensive hands-on training on machine learning and deep learning for cybersecurity threat detection.

- **5-Day Faculty Development Programme on Advancements in Next Generation Computing and Communications in the IoT Age**

Department of Computer Science, Sister Nivedita University Jul 2025

- **One-Week Faculty Development Programme on Empowering Smart Healthcare with Deep Learning: From Data to Diagnosis**

National Institute of Technology Patna Jun 2025

- **One-Week Faculty Development Programme on Intellectual Property Rights**

St. Xavier's University Kolkata Feb 2025

- **One-Week Online FDP on Intelligent Computing Techniques and Its Engineering Applications (ICTEA-2025)**

College of Engineering and Management Kolaghat Jan 2025

- **National Intellectual Property Awareness Mission (NIPAM)**

Office of the Controller General of Patents, Designs and Trade Marks, Government of India Sep 2024

- **Quantum Communication in 6G Wireless Networks**

IEEE Aerospace and Electronic Systems Society Sep 2024

- **Cisco Certified Introduction to Cybersecurity**

Cisco Networking Academy May 2021

- **Intel Certified Distribution of OpenVINO Toolkit**

Intel Corporation Mar 2021

- **Oracle 10g SQL**

Excel Infocom Pvt. Ltd. Aug 2018

- **Computer Hardware and Basic Networking Concepts**

Hewlett Packard Enterprise Jun 2016

DECLARATION

I hereby declare that the information provided is true to the best of my knowledge.

Place: Malda

Signature: Gourango Mandal