

Anaranyo Sarkar

B.Tech Electrical Engineering | Registration No.: 20235008

Motilal Nehru National Institute of Technology Allahabad

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TECHNICAL SKILLS

Programming Languages: Python, JavaScript, C++, Java, SQL, HTML, CSS

Web Development: React.js, Node.js, Express.js, MongoDB, REST APIs, Tailwind CSS, JWT Authentication

Databases & Cloud: PostgreSQL, MongoDB, MongoDB Atlas, Google Cloud Platform

Machine Learning: Scikit-learn, XGBoost, TensorFlow, PyTorch, Pandas, NumPy, NLP

Tools & Platforms: Git, GitHub, VS Code, Linux, Docker, Vercel, Jupyter Notebook, Google Colab

EXPERIENCE

Software Developer Intern

May 2025 – July 2025

Res-Q-Rity Cybersecurity Solutions

Hyderabad, India

- Collaborated with 4-member team to design and implement security-as-a-service API monetization strategy
- Developed microservices using Node.js and Express.js with encrypted data flow and JWT authentication
- Optimized critical logging service architecture, achieving 30% latency reduction and improved storage efficiency
- Implemented secure session management and token invalidation mechanisms for enhanced cybersecurity

PROJECTS

MyKolkata: Full-Stack Community Platform [GitHub]

2025

- Engineered full-stack web application using React.js, Node.js, Express.js, MongoDB and Tailwind CSS
- Integrated SwipeEx ML/NLP engine for intelligent text analysis and personalized content recommendations
- Implemented RESTful APIs for travel features, user reviews, and social posting with responsive UI design

BusinessHub: Enterprise Inventory Management System [GitHub]

2024

- Built comprehensive business workflow application with React.js, Node.js, Express.js, and MongoDB
- Developed financial tracking system with CSV import/export, task assignment, and real-time status updates
- Created scalable REST APIs with advanced filtering, error handling, and responsive analytics dashboard

EDUCATION

Motilal Nehru National Institute of Technology Allahabad

CGPA: 8.08/10.0

Bachelor of Technology in Electrical Engineering

2023 – 2027

Delhi Public School, Kolkata

95.4%

Central Board of Secondary Education (Class XII)

2023

Calcutta Boys' School

97.8%

Indian Certificate of Secondary Education (Class X)

2021

ACHIEVEMENTS & CERTIFICATIONS

Google Cloud Certifications: Generative AI, Large Language Models, Data Innovation (2023)

LeetCode Achievement: 250+ problems solved, 50 Days Challenge Badge (2024)

HackerRank 5-Star: Python, Java, C++ proficiency certification

Leadership Roles: Student Mentor (MNNIT), Content Writer (Cisco ThingQBator), GnoTalks Interviewer

AREAS OF INTEREST

Software Development: Full-stack web development, system design, and scalable application architecture

Artificial Intelligence: Machine learning, natural language processing, and generative AI applications

Cybersecurity: Secure API development, authentication systems, and data protection strategies