

Jyotiraditya Deb

Tinsukia, Assam, India

jyotiradv23@gmail.com — +91 6002679230 — github.com/jyotiradityadeb —
 linkedin.com/in/jyotiraditya-dev-4474b3377

Education

M S Ramaiah Institute of Technology

B.E. Computer Science Engineering
(AI & ML)
2023 – 2027

Delhi Public School, Digboi

Class XII
Completed in 2022

Vivekananda Kendra Vidyalaya, Laipuli

Class X
Completed in 2020

Certifications

- AWS Academy Graduate – Machine Learning Foundations
- The Bits and Bytes of Computer Networking
- Introduction to MongoDB
- Data Structures and Algorithms

Skills

Programming

- Python
- C++

Core Concepts

- Data Structures and Algorithms
- Computer Networking

Technologies

- Machine Learning (Fundamentals)
- MongoDB
- Git & GitHub

Languages

- English
- Hindi
- Bengali
- Assamese

About Me

Computer Science student specializing in Artificial Intelligence and Machine Learning at Ramaiah Institute of Technology. I am interested in machine learning, cybersecurity, and building software systems that solve real-world problems. I enjoy exploring new technologies and developing projects that apply technical knowledge to practical situations.

Projects

Insurance Management Application

GitHub Repository

- Developed an application to manage insurance services such as policies and claims.
- Implemented features for handling customer data and policy information.
- Designed the system to provide a simple interface for managing insurance-related records.

Federated Learning Based Gesture Threat Detection for Women Safety

- Exploring gesture-based emergency detection using mobile devices.
- Studying federated learning for privacy-preserving model training across devices.
- Concept aimed at improving personal safety through intelligent mobile systems.

Automated Penetration Testing Framework Using Multi-Agent LLM Collaboration

- Studying how multiple AI agents can collaborate to assist penetration testing tasks.
- Focus on vulnerability detection and automated security reporting.
- Exploring the use of large language models in cybersecurity workflows.

Interests

- Artificial Intelligence
- Machine Learning
- Cybersecurity
- Building Practical Software Projects