

Amritangshu Dey

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[LinkedIn](#) | [LeetCode](#) | [GeeksForGeeks](#) | [Code360](#) | [Github](#) | [Medium](#)

EDUCATION

Bachelor of Computer Science and Engineering , Vellore Institute of Technology, Bhopal, 8.5 CGPA (Major in Cyber Security & Digital Forensics)	2022 - 2026
Secondary & Senior Secondary , Vivekananda Kendra Vidyalaya, Laipuli, Tinsukia, Assam, 86 % 77.2 %	2007- 2022

SKILLS

- **Technical Languages:** C & C++, Python, Bash, Go, Rust, HTML, CSS, Swift
- **Database and Language:** MySQL, MongoDB, PHP
- **Cloud Platforms and Automation:** AWS, Docker, Kubernetes
- **Frameworks:** React JS, Node JS, Bootstrap, PySyft, PyTorch, TensorFlow Federated (TFF)
- **Course Work:** Data Structures and Algorithms, Database Management Systems, Security & Networking, Federated Learning
- **General Tools:** Data Analytics, Power BI, Tableau, SAP(Basic), Network Security
- **Languages:** English, Hindi, Bengali, Japanese

PROJECTS

SmartInternz - Full Stack Developer (Externship)	(Jan 2025 - April 2025 - Remote)
<ul style="list-style-type: none">▸ Developed 2+ Full-Stack Applications using MongoDB, Express.js, React, and Node.js (MERN).▸ Worked in a team of 4 on a group project, implementing scalable Frontend & Backend Solutions.▸ Pursuing MongoDB Associate Certification to strengthen Database Expertise.	

PROJECTS

WhisperChat - AI-Powered Secure Messaging Platform - GitHub	(Dec 2024 - Ongoing)
<ul style="list-style-type: none">▸ Building a real-time messaging app with end-to-end encryption and no chat history retention, ensuring private conversations leave no digital footprint.▸ Role: Full-Stack Developer▸ Tech Stack Used: Next.js, Node.js, Express.js, MongoDB, WebSockets, OpenAI API	
Privacy Preserving Federated Learning: Using Homomorphic Encryption - GitHub	(Sep 2024 - Feb 2025)
<ul style="list-style-type: none">▸ Developed a Secure Federated Learning Framework with Homomorphic Encryption to enable Privacy-Preserving Model Training across distributed nodes, as part of a Team Project (7 Members).▸ Role: Model & Datasets Training, Privacy Preservation, Data Sharing▸ Tech Stack Used: Python Script, TensorFlow Federated, PyTorch, Google Collab	
SafeServe: FIR Management System - GitHub	(Aug 2023 - Nov 2023)
<ul style="list-style-type: none">▸ Developed a Full-Stack Prototype FIR portal for filing, tracking, and managing FIRs (Under Madhya Police Department) as part of a Team Project (5 Members).▸ Role: Front-End and Back-End Development, User Authentication▸ Tech Stack Used: HTML, CSS, PHP, Node.js, Codelgniter, XAMPP, DBWA	

CERTIFICATION

Data Management and Analytics : Quantium (Forge)	(Mar 2025)
Certified AppSec Practitioner (CAP) : The SecOps Group	(Jan 2025)
Software Engineer Role Certified : HackerRank	(Nov 2024)
Geo-Data Sharing & Cyber Security Certification : ISRO	(Dec 2023)

ACHIEVEMENTS & EXTRA-CURRICULAR ACTIVITIES

- Winner – For Developing AI Based Security Tool (PhishShield AI) Devpost DeveloperWeek 2025 Hackathon.
- 4 Star in Problem Solving and C++, 3 Star in SQL under HackerRank Skill Test.
- Open-Source Contributor to projects under Apertre 2.0 - Resource Community (India).
- Team Project Coordinator, Research & Development Team, Cyber Warriors Club, VIT Bhopal.