

Pragyan Bhatt

B.Tech in Computer Science and Engineering

GitHub: pragyanbhatt1213

+91-800696528

pragyanmtt@gmail.com

pragyanbhatt99

SUMMARY

Pre-final year Computer Science student (CGPA: 8.5) with strong foundations in Data Structures, Algorithms, Operating Systems, Databases, and Networking. Proficient in C++, Python, Java with hands-on experience in system design, cloud platforms (AWS, Oracle Cloud), and version control workflows. AWS Certified Cloud Practitioner with 300+ competitive programming problems solved. Seeking to develop scalable software solutions with an agile learning mindset.

EDUCATION

•Bachelor of Technology in Computer Science

2023 – 2027

Vellore Institute of Technology

CGPA: 8.66

– **Relevant Coursework:** Data Structures & Algorithms, DBMS, Operating Systems, Networking, OOP

TECHNICAL SKILLS

- **Programming Languages:** C++, Python, Java, JavaScript, SQL
- **CS Fundamentals:** Data Structures, Algorithms, OOP, DBMS, OS, Networking, System Design
- **Cloud & DevOps:** AWS (Certified), Oracle Cloud (Certified), Docker, Git/GitHub
- **Databases:** MySQL, PostgreSQL, MongoDB, Firebase, Supabase
- **Frameworks & Tools:** Flask, FastAPI, OpenCV, LangChain

CERTIFICATIONS

- **AWS Certified Cloud Practitioner (CLF-C02) | Oracle Cloud Infrastructure 2025 Developer Professional**
- **The Bits and Bytes of Computer Networking (Google) | Hashing, Dictionaries, and Sets in Python**

PROJECTS

•Crowd Scanner - Real-time Video Analytics

Python, OpenCV, YOLOv8



- Developed system to detect and track people in live video with 92% accuracy using object detection algorithms.
- Optimized performance with GPU acceleration, reducing processing time by 60%. Followed Git workflows for version control.

•RAG-Mitra - Document Retrieval System

Python, LangChain, Vector DB



- Built semantic search chatbot using vector embeddings with sub-2-second query response time for 1000+ documents.
- Implemented modular architecture following SOLID principles for maintainability and extensibility.

•SentryWallet - Secure Wallet Manager

React.js, Supabase, PostgreSQL



- Designed PostgreSQL database schema for encrypted wallet storage with proper indexing and data integrity constraints.
- Built RESTful APIs with authentication, error handling, and secure session management.

•Pothole Detection System

Flask, MySQL, Computer Vision

- Developing Flask backend with MySQL database for real-time pothole detection and analytics dashboard.
- Implementing scalable architecture with RESTful APIs for concurrent request handling.

ACHIEVEMENTS

- **Competitive Programming** Solved 300+ problems on LeetCode and Codeforces, demonstrating strong algorithmic skills
- **Open Source** Active contributor to open source platforms with experience in collaborative development workflows

KEY COMPETENCIES

- Problem-Solving** Strong analytical skills with proactive attitude toward technical challenges
- Agile Learning** Quick to adapt and master new technologies, frameworks, and development practices
- Collaboration** Experienced in Git workflows, code reviews, and working effectively in team environments