

Dhaanish Ahamed

dhaanish.ahamed1@gmail.com | +91 94458 05466 | Hyderabad, India

LinkedIn: [linkedin.com/in/dhaanish-ahamed](https://www.linkedin.com/in/dhaanish-ahamed) | GitHub: github.com/dhaanish597 | Portfolio: dhaanish.me | LeetCode: [dhaanish_](https://leetcode.com/dhaanish_) (200+ solved)

SUMMARY

Computer Science undergraduate, penultimate year (graduating 2028), specialising in backend and **distributed systems**, on strong **data structures, algorithms, and software design** fundamentals. Designs and ships complex, production-grade systems in **Java, C++, and Python** across microservices, multi-agent orchestration, and real-time data infrastructure.

TECHNICAL SKILLS

Languages: Java, C++, C, Python, JavaScript, SQL

Distributed Systems & Backend: Distributed systems, Microservices, Concurrency, Multithreading, Synchronization, Real-time streaming, REST API design, Spring Boot, Node.js, Django

CS Foundations: Data Structures, Algorithms, Software Design, Object-Oriented Design, System Design

AI & Machine Learning: Artificial intelligence, Machine learning, Multi-agent orchestration, MCP, RAG, LLM evaluation, Knowledge Graphs, scikit-learn, XGBoost

Databases & Tools: PostgreSQL, MySQL, Redis, Neo4j, Milvus; Git, Docker, CI/CD, Linux, Google Cloud Platform (GCP), AWS (Bedrock, IAM); React, React Native, Tailwind CSS

EXPERIENCE

Software / Full-Stack Developer Intern — Whimc, Hyderabad

Apr 2026 – Jul 2026

Full-stack development on an AI-powered B2B SaaS product.

- Engineered full-stack features for three AI product modules (Proposals Inbox, Record Chat, Report Builder), wiring React front-ends to backend **REST services** running in production.
- Refactored the group-assignment logic in the escalation flow to support **multiple groups per escalation**, routing each escalation to all mapped groups instead of a single owner and reworking the underlying state model.
- Integrated Gmail, Outlook, and Google Calendar into the proposal pipeline with OAuth, data sync, and retry logic for failed jobs.

AI Engineering Intern — Infosys Springboard (Remote)

Jul 2025 – Sept 2025

Backend and ML engineering for an end-to-end valuation system.

- Designed and deployed backend **REST APIs** serving real-time price predictions from an XGBoost model (90% accuracy on 3,000+ records), cutting manual estimation time by 90%.

Software Engineering Intern — R.M.K. Idea Lab, Chennai

Feb 2025 – May 2025

- Developed an **AI-powered 3D Virtual Try-On System**, using **React Three Fiber and Three.js** to render interactive mannequins in the browser and preview garments in real time.

PROJECTS

ANVESHA — Multi-Agent Investigation Copilot (Distributed agentic system)

Java/Python, NeMo Agent Toolkit, MCP, Neo4j, Milvus

Neo4j, Milvus

- Orchestrated **8 specialised agents** behind a planner that routes investigator queries over MCP tool-calling, returning ranked, explainable leads held for human approval. (Synthetic, non-sensitive data only.)
- Indexed 10K+ synthetic documents into a **Neo4j knowledge graph** and a **Milvus vector store**, logging full provenance and an audit trail per lead.

Automated TOR Traffic Forensics Platform (Distributed systems / GCP)

Python, Scapy, Google Cloud Platform

- Surfaced correlated network circuits from raw **PCAP captures**, parsing 500K+ packets per run, by architecting a Scapy-based parser that feeds a **flow-correlation engine** deployed on Google Cloud Platform.
- Reduced analyst triage from hours to minutes, by automating circuit correlation and timeline reconstruction and running the engine as containerised jobs on **GCP (Cloud Run / GKE)**.

Smart Train Crowd Detection System (Real-time data processing)

Python, WebSockets, Computer Vision

- Published live per-coach passenger density to riders at **sub-2-second latency across 10+ feeds**, by engineering a real-time streaming pipeline with edge inference over camera and sensor input.
- Stabilised noisy crowd counts into reliable density bands, processing 1,200+ frames/min, by designing an ingestion-and-aggregation layer exposed through a **REST API** to a rider-facing dashboard.

Security-Hardened MCP Server (Backend / infrastructure)

TypeScript/Python, MCP

- Hardened a **Model Context Protocol server** exposing 12 authenticated tools to LLM agents, adding schema validation and rate limiting and load-testing it to 50+ concurrent agent calls.

EDUCATION

R.M.K. Engineering College — B.E. Computer Science and Engineering

Sept 2024 – Mar 2028

GPA: 8.50 / 10.0 | Coursework: Data Structures & Algorithms, Linear Algebra, Probability & Statistics, Database Management Systems.

ACHIEVEMENTS

- Solved **200+ LeetCode problems** (graphs, trees, dynamic programming).
- Competed in multiple hackathons building system-design and rapid-prototyping projects.