

Himanshu Verma

himanshuverma.it12@gmail.com • linkedin.com/in/himanshu-verma12 • Github • Portfolio • LeetCode

EXPERIENCE

MentorPal

Bangalore, India

SDE Intern (Remote)

Jun 2025 – Dec 2025

- Engineered automated email workflows within the Hiring ATS, improving candidate communication and increasing engagement rates by 30% across all applicants.
- Architected and delivered **35+ production-grade REST APIs** for template management, candidate data, bulk operations, and assessment flows, handling 500+ daily requests
- Launched a scalable bulk email automation system processing **10,000+ emails** with template-based workflows, reducing manual recruiter effort by **65%**
- Designed an intelligent **assessment module** that auto-generates customized tests from job descriptions with relevant skill suggestions, enabling **100+ assessments**
- Deployed and maintained backend on **AWS EC2** and frontend on **AWS S3** with PM2 & Nginx, achieving **99.9% uptime** while collaborating with frontend team in Agile sprints and code reviews

SKILLS

- **Languages:** C++, JavaScript, SQL
- **Backend & APIs:** Node.js, Express.js, REST APIs, WebSockets, Redis, Kafka
- **Frontend:** React.js, Reactjs
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Cloud & DevOps:** AWS (EC2, Lambda, S3), Docker, Nginx, PM2
- **Testing & Tools:** Git, Makefile, Selenium, Postman, Linux, Bash
- **AI/ML:** RAG, LangChain

PROJECTS

P2P File Sharing System - Peer-to-peer file sharing system built using C++

- Designed and developed a **multithreaded P2P file sharing** system in C++ using **socket programming** and **OOP** principles, managed with **Git** and built using **Makefile**
- Implemented **chunk-based parallel file transfer** with **error handling**, **debug logging**, and download resume support ensuring **99.9% transfer success rate** for large datasets.

Real-time Collaborative Code Editor – Real-time editor using React, Node.js & Socket.IO

- Developed real-time collaborative editor using **WebSockets**, supporting **15+ concurrent users** with **less than 100ms** synchronization latency
- Optimized event-driven architecture for conflict resolution and optimized network performance by reducing payload size by **35%**

StudyLM – AI-powered study assistant using Node.js, LangChain, RAG & Gemini API

- Created an end-to-end **RAG pipeline** (Ingestion → Chunking → Embeddings → Vector Retrieval → Generation) and integrated the **Gemini API** with LangChain for context-aware answer generation, achieving **85%+ answer relevance**
- Streamlined semantic search and vector retrieval, reducing irrelevant answers by **40%** and significantly improving response quality and response accuracy

ACHIEVEMENTS

- Solved **200+ DSA problems** on LeetCode across arrays, graphs, DP, and trees
- **Smart India Hackathon 2024 Finalist** (National Level)
- **Hackathon 2025:** Secured **1st Prize** in Hackatopia and **2nd Prize** in HackNovate

EDUCATION

Dronacharya College of Engineering



Gurugram, Haryana

B.Tech in Computer Science (AI/ML) — GPA: 7.9/10

Aug 2023 – Present

- Relevant Coursework: Data Structures & Algorithms, Databases, Operating Systems, Computer Networks

CERTIFICATIONS

- **Microsoft Certified: Azure Data Fundamentals** — Microsoft — May 2026 
- **Server-side Programming with Node.js for Beginners** — Infosys Springboard — 2026 
- **Developing the Serverless Backend (AWS Lambda)** — Infosys Springboard — 2026