

ASHMIT SINGH

Prayagraj, Uttar Pradesh

☎ +91-6387295779 ✉ mail2ashmit05@gmail.com 🔗 LinkedIn 🐙 Github 🏆 LeetCode

EDUCATION

Indian Institute of Information Technology, Kota

B.Tech - Computer Science and Engineering - **CGPA - 9.17**

2023 – 2027

Kota, Rajasthan

COURSEWORK / SKILLS

- DSA
- Web Development
- Software Engineering
- AI/ML

EXPERIENCE

- Core Team Member(**Cloud Lead**) at CodeBase Club, IIIT Kota
- Winner at **Devquest** Hackathon organized at IIT Jodhpur 🔗
- Winner at **Kurukshetra** Hackathon organized at ITM University, Gwalior. 🔗
- Organized the flagship event **HackTheChain3.0** of the **TechFest**, IIIT Kota

PROJECTS

Online Coding Platform Project 🔗 | NodeJs, ExpressJs, Docker, MongoDB

2025

- Built a scalable **online coding judge platform** supporting C, C++, Java, Python, and JavaScript.
- Implemented an isolated and secure **Docker-based code execution engine** with per-language container pools to run user code safely.
- Designed an API-driven backend using Express.js and MongoDB with features like authentication, problem management, submission logs, and admin dashboard.
- Developed problem submission workflow including test-case validation, result computation, time/memory tracking, and user coding history.
- Implemented **PM2 process manager** and NGINX reverse proxy on a GCP VM for production deployment.
- Stack: Express, Mongoose, JWT, Bcryptjs, Docker, PM2, NGINX, Multer.

PDF Summarizer 🔗 | FastAPI, Qdrant, React, JWT, Sentence-BERT

2026

- Built an end-to-end Retrieval-Augmented Generation (RAG) system for context-aware PDF summarization with user authentication and session-based chats.
- Designed a vector search pipeline with **Sentence-BERT** embeddings and **Qdrant** for fast, filtered similarity search across user documents.
- Integrated abstractive summarization using **facebook/bart-large-cnn** with chunk-level aggregation for long-document support.
- Deployed the application with separated frontend and backend services, handling CORS, cookies, and production-ready routing.

Blog Site 🔗 | React, Appwrite, TailWind

2024

- Implemented User registration, login, and creating, deleting and editing the posts.
- Implemented Backend using **Appwrite**.
- Hosted on **Vercel**
- User can create, delete, update and can see their profile also.

TECHNICAL SKILLS

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

Technologies/Frameworks: HTML5, CSS3, React, MongoDB, Express, NodeJS, Bootstrap

Developer Tools: VS Code, Postman, Github, Google Colab, S3

CODING PLATFORMS

- Solved **500+** Problems on **Leetcode** 🔗
- **2** star coder on **Codechef**, Max rating **1420**. 🔗
- Solved **300+** Problems across **CodingNinjas X naukri.com**, **Codechef** and **Codeforces**. 🔗

CERTIFICATIONS

- OOPS Certificate by CodingNinjas 🔗
- Machine Learning Certificate by Kaggle 🔗