Ashutosh Mishra

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EDUCATION

Institute of Engineering and Technology, DAVV ...... **Nov. 2022 – Present**
B.E. in Computer Engineering — CGPA: 9.0/10.0 ...... *Indore, India*

EXPERIENCE

Software Developer (BackEnd + Database)(In College) ...... **Aug. 2024 – Present**
IET DAVV | Java, Spring Boot, MySQL, GitHub Actions, REST APIs ...... *Result Generation Software*

- Designed and normalized **45+ MySQL tables** for result, schema, and department management, ensuring scalable academic workflows.
- Developed **15+ REST APIs** for result viewing, schema updates, and departmental workflows, **reducing manual report generation**.
- Automated workflows for **200+ faculty and 50+ coordinators**, enabling reliable grade processing for students per semester.
- Implemented **CI/CD with GitHub Actions**, cutting deployment time by **40%**; currently in **Phase 1**, with Phase 2 expanding to analytics and student portals.

Software Engineer Intern (AI Product) (Remote) ...... **Mar. 2025 – Jun. 2025**
ClarityUX | JS, TS, Razorpay, Tailwind CSS, OpenCV, Python ...... *Built MVP for $23.5K pre-seed startup*

- Engineered an AI-powered Figma plugin for Saliency Mapping and attention prediction, adopted by **1,600+ paying designers** and **60,000+ professionals worldwide** *(as reported in the Figma Plugin Dashboard)*
- Streamlined UX testing by **70% (4–5 hours/project)** using Saliency Mapping and automated design auditing, reducing client iteration cycles from **2 weeks → 4 days** and accelerating point of delivery (faster handoff to engineering and stakeholders).
- Optimized plugin performance, **reducing latency by 60% (2.1s → 0.8s)** via minimized loops & redundant computations, boosting **user retention by 22%** via intuitive UI.
- Strengthened system reliability via **CI/CD and peer reviews**, reducing **bug recurrence by 30%** and enabling **weekly releases**.

Software Developer Intern (Full Stack)(Remote) ...... **Nov. 2024 – Feb. 2025**
Kuration AI | Python, OpenAI, Gemini, Third-Party APIs ...... *supercharging the B2B research agent*

- Automated market research with **10+ internal tools**, reducing manual errors by **35%** and cutting research time by **15% (6 hrs → 5 hrs/task)**.
- Developed a **DNS resolver (90% success rate vs. 60%)**, enhancing pipeline reliability and **halving data fetch failures**.

PROJECTS

MetaChat – Chat App | *Low-latency real-time messaging powered by Socket.io* ...... *Link*

- **React.js + Tailwind** for responsive UI, **Node.js + Express.js** for secure APIs, **MongoDB** for persistence, and **Socket.io** for low-latency messaging, leveraging **Queue and HashMap data structures** for efficient message delivery.

Distributed ML Inference Engine | *Scalable NLP inference with containerized task queues* ...... *GitHub*

- Tech Stack: **FastAPI** for REST APIs, **Celery + Redis** for distributed queues, **HuggingFace Transformers** for NLP inference, and **Docker Compose** for container orchestration.

AWARDS AND CERTIFICATIONS

- Solved **450+ problems on LeetCode** (peak rating **1739**) and achieved global ranks **566, 296, 308** in CodeChef Starters, **2605 (R1)** and **3170 (R2)** in TCS CodeVita; also completed **Coding SLAYGROUND 2.0** coding challenge.
- Team Lead and Finalist at **MCTE Hackathon (AVINYA)** across Indore District.
- Led teams in hackathons: **Walmart Sparkathon**, **Google AI Hackathon**, **Adobe Hackathon**, Smart India Hackathon, and **Flipkart Grid 6.0**.
- Earned certifications: **Machine Learning Basics (Microsoft)**, **AI Essentials (Microsoft)**, **Google Cloud Fundamentals (Google)**, **AWS Cloud Practitioner Essentials (Amazon Web Services)**.

SKILLS

Programming Languages: Java, C/C++, Go, JavaScript, Python, Rust, TypeScript, SQL
Web Development: HTML/CSS, React.js, Next.js, React Native, Expo, Tailwind CSS, AJAX, Node.js, Express.js, Flask, FastAPI
Databases: MySQL, MongoDB, NoSQL, Database Design, DBMS
Backend & APIs: REST APIs, SOA, Socket.io, Microservices
Cloud & DevOps: AWS, Docker, Linux/Unix, Windows, CI/CD
Tools: Puppeteer, Git, Version Control, Figma
Core CS: Data Structures & Algorithms, OOP, Operating Systems, Full Stack Development, Computer Science Fundamentals