

Kartik Kumar

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EDUCATION

Dronacharya Group of Institutions

Bachelor of Technology in Computer Science & Engineering

Greater Noida, UP

2022 – 2026

EXPERIENCE

Full-Stack AI Intern

May 2026 – Jul 2026

Across The Globe (ATG)

Remote

- Managed CI/CD pipelines utilizing GitHub Actions for automated deployments across RunPod and Cloudflare environments.
- Maintained strict source control protocols and resolved complex merge conflicts in a fast-paced production environment.
- Delivered robust, full-stack architectural solutions while collaborating remotely with cross-functional engineering teams.

Freelance Software Consultant

Jan 2025 – Present

Tarot Vaishnavi (Live: tarotvaishnavi.com)

Remote

- Built and deployed a secure, full-stack scheduling and payments platform to handle real-world traffic for a private client.
- Integrated Razorpay webhooks and automated dynamic state synchronization to seamlessly manage booking confirmations.
- Architected cloud deployment strategies and normalized PostgreSQL databases to support scalable user growth.

Full-Stack Developer Intern

Jan 2026 – Mar 2026

AMDOX

Pune, India

- Developed and deployed scalable backend architectures using Java and Spring Boot to support enterprise-level web applications.
- Optimized database queries across MySQL and PostgreSQL to reduce data retrieval latency and improve API response times.
- Awarded dual certifications for exceptional project delivery and backend system reliability.

Cybersecurity Intern

Jan 2025 – Mar 2025

IBM

Remote

- Automated network traffic analysis by writing Python scripts to process Wireshark and Zeek logs, significantly reducing manual threat detection time.
- Conducted proactive vulnerability assessments using Nmap and defensive architectural strengthening protocols.

PROJECTS

Tarot Vaishnavi | *Next.js, Supabase, Tailwind CSS, Webhooks*

- Built a secure, full-stack scheduling and payments platform to handle real-world traffic for a private client.
- Integrated Razorpay webhooks and automated dynamic state synchronization to seamlessly manage booking confirmations.

PrepAI | *Java, Spring Boot, Next.js, AI/NLP*

- Architected an AI-powered interview preparation platform with a custom high-throughput sentiment analysis module.
- Engineered real-time user input processing to deliver instantaneous performance analytics with reduced latency.
- Authored and published an IEEE research paper detailing the platform's architectural performance and machine learning accuracy.

Vision-to-Code | *Java, Spring Boot, REST APIs, OOP*

- Engineered a parsing system that algorithmically converts raw whiteboard architectural sketches into deployable, object-oriented code structures.
- Built a highly scalable backend API using Java and Spring Boot to handle concurrent image processing requests.

Team Task Manager | *Next.js, TypeScript, FastAPI, PostgreSQL*

- Developed a high-performance project management dashboard featuring secure JWT authentication and real-time state management.
- Built and containerized a fast, responsive backend API using FastAPI and PostgreSQL to serve dynamic UI components.

TECHNICAL SKILLS

Languages & Frameworks: Java, Python, TypeScript, React, Next.js, Spring Boot, Tailwind CSS, Framer Motion

Backend & Cloud: REST APIs, Microservices, PostgreSQL, MySQL, Supabase, MongoDB, FastAPI

Tools & Architecture: Git/GitHub Actions, CI/CD, Cloudflare, RunPod, Wireshark, System Design, OOP