

Anuj Chauhan

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Summary

Master's student and Software Engineering Intern with hands-on experience building production-grade backend systems using FastAPI, Django, Kafka, and Docker. Worked on healthcare data integration (HL7, Mirth Connect) and event-driven pipelines. Strong in REST API design, authentication, and scalable system architecture. Actively seeking backend / full-stack roles.

Work Experience

Software Engineering Intern, InnovLogic Services

Feb 2025 - Jul 2025

- Designed and developed secure REST APIs using FastAPI with JWT authentication, RBAC, pagination, and OpenAPI documentation.
- Integrated healthcare CRM systems using HL7 (ORM/ORU), Kafka, and Mirth Connect to enable reliable clinical data exchange.
- Built an event-driven pipeline (EHR → Kafka → Consumer → Mirth → Orchestrator), improving message reliability and decoupling systems.
- Implemented HL7 parsing, validation, ACK handling, and transformation into REST/JSON for downstream services.
- Containerized services using Docker and docker-compose, enabling modular deployment and local environment parity.

Projects

CodeTutorAI — AI tutor for programming questions

[Live Demo](#)

Next.js, JavaScript, LLM APIs, REST Provides contextual chat, code explanations, and debugging assistance.

Bytrix — file compression/conversion with summaries

[Github Repo](#)

Next.js, Django, PostgreSQL, Redis Converts/shrinks documents (PDF, DOCX, XLSX→CSV) with instant AI summaries.

Brain Tumor Detection — AI-assisted MRI image analysis

Python, CNN, NumPy, Scikit-learn Flags tumor regions with confidence scores for clinical validation.

Education

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|----------------|---|---------------|
| 2024 – present | Master's, Graphic Era University | CGPA: 7.97/10 |
| 2021 – 2024 | Bachelor's, Graphic Era University | CGPA: 7.77/10 |

Certifications

- HackerRank Certified: [Python](#), [JavaScript](#), [React](#)
- AWS Certified: [Cloud Quest](#), [Artificial Intelligence Practitioner](#), [Cloud Practitioner Essentials](#)

Technical Skills

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|-----------|---|
| Languages | Python, JavaScript, Java, C/C++, SQL |
| Backend | FastAPI, Django, Node.js, Express.js |
| Frontend | React.js, HTML, CSS |
| Databases | PostgreSQL, MySQL, Redis |
| Messaging | Kafka, Mirth Connect, HL7 |
| DevOps | Docker, Git, GitHub |
| Tools | VS Code, PyCharm, Android Studio, MS Office |
| OS | Windows, Linux |