

Kushagra Sharma

B.Tech IT – Rajasthan Technical University, Kota

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Summary

B.Tech IT student specializing in **Python backend development (Flask, FastAPI, Celery, Redis)** with hands-on experience in REST API design, async job processing, and scalable cloud deployment. Built production-ready SaaS platforms and optimized backend workflows for real-world applications. Seeking a Summer 2025 Python Backend Internship.

Education

B.Tech – Information Technology, Rajasthan Technical University, Kota *Aug 2023 – Present*
CGPA: 8.32 / 10

Internships

SDE Intern – MediHut Pharma (CureZip) *Feb 2025 – Present*
Python, Node.js, Google Vision API, Supabase (Remote)

- Designed and optimized REST APIs for prescription parsing, reducing latency by 30%.
- Integrated **async workflows** for pharmacy order management and live updates.
- Improved backend–frontend data sync for 500+ daily active users.

Research Intern – CSIR–NPL *Jun 2025 – Present*
Memristors, E-Textiles (Delhi)

- Developed Python scripts for sensor data logging in memristor experiments.
- Built low-cost circuit designs for STEM education projects.

Projects

Censorly

Flask, Supabase, Celery, Redis, FFmpeg

- Production-ready backend for detecting & censoring abusive multilingual video content.
- Implemented JWT auth, async job handling, CSV-based model training.
- Dockerized for scalable deployment; integrated Supabase for auth & storage.

MediHut App – Real-time Pharmacy Platform

Node.js, Supabase, WebSockets, MCP Server

- Engineered backend APIs and WebSocket systems for live order tracking.
- Integrated Google Vision API for instant prescription parsing.

Twin Bot – AI Assistant

LangChain, Python – Runner-Up LNMIIT HackCrux

- Built dual-persona chatbot with memory persistence and prompt chaining.

Voice Map Assistant

TensorFlow, Leaflet.js – Runner-Up ISRO Hackathon

- Voice-enabled GPS map with real-time weather updates, optimized rendering by 40%.

Technical Skills

Programming: Python, JavaScript, C++, SQL, TypeScript

Backend: Flask, FastAPI, Node.js, Express, Django

Databases: PostgreSQL, MySQL, MongoDB, Supabase, Firebase

Cloud/DevOps: AWS, GCP, Docker, Kubernetes, Railway, Vercel

AI/ML: TensorFlow, PyTorch, LangChain, OpenCV

Tools: Git, Celery, Redis, FFmpeg, Streamlit, L^AT_EX

Certifications & Achievements

- Deloitte Australia – Cyber Security Job Simulation (May 2025)
- Deloitte Australia – Technology Job Simulation (May 2025)
- 100 Days of Code – Python Bootcamp by Angela Yu (2023)
- Runner-up – ISRO Hackathon (2024), LNMIIT HackCrux (2025)
- National Chess Player – KV Nationals (2018)