

Devansh Sharma

AI Backend Engineer

Contact

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Education

B.E. Computer Science
Chandigarh University
2021 – 2025 | CGPA: 7.79

Intermediate (Non-Med)
Darshan Academy (CBSE)
2020 – 2021 | 81.4%

Matriculation
Darshan Academy (CBSE)
2018 – 2019 | 83.6%

Skills

Backend

Python, C++, FastAPI, Django

Cloud & DevOps

AWS (Fargate, Step Fn, Lambda, SQS ,
Polly), GCP, Docker, Linux

Databases

PostgreSQL, MongoDB

AI & ML

LLMs, LangChain, RAG, PyTorch

Frontend

Streamlit, HTML, ReactJs

Certifications

- **Summer School on AI**
UUST Russia (May 2024)
- **AWS Cloud Architecting**
AWS Academy (Mar 2024)
- **ROBO AI Diamond Cert**
ROBO AI (Jan 2024)
- **Data Science using R**
Chandigarh Univ (Jan 2023)

Publications

- **Telemedicine Platform**
IEEE Xplore (Dec 2024)
- **RFID Toll Management**
IJISRT (Nov 2023)

Summary

Backend Developer specializing in scalable API architecture and cloud infrastructure. Proficient in Python (FastAPI, Django) and orchestrating containerized workloads on AWS and GCP. Experienced in engineering robust server-side solutions and integrating production-grade AI pipelines.

Work Experience

- Zryth Solutions** *Agra, India (Remote)*
Artificial Intelligence Engineer Intern *Oct 2025 – Present*
- Designed robust backend services using **FastAPI** and **Django** for automated book content proofreading.
 - Orchestrated scalable AI workloads on **AWS** utilizing **Fargate**, **Step Functions**, and **Lambda**.
 - Established portable deployment environments by containerizing applications using **Docker**.

- GrowthPurple Technologies** *Hyderabad, India*
ML Mentee (Trainee) *Jun 2023 – Apr 2025*
- Developed a real-time document interaction backend using **LangChain** and LLMs with a Streamlit interface.
 - Implemented **RAG (Retrieval-Augmented Generation)** architectures to enhance context retrieval accuracy.
 - Collaborated with senior engineers to streamline model deployment pipelines.

- Indian Institute of Technology Guwahati** *Assam*
Research Intern – Dept. of CSE *May 2023 – July 2023*
- Accelerated DNN inference on Network-on-Chip (NoC) architectures using **Timeloop**, **C++**, and **Python**.
 - Achieved **23% latency reduction** through optimized data mapping and efficient memory scheduling.

Projects

- DeoAI | Python, PyTorch, Diffusers, FFmpeg** *Jun 2025 – Sept 2025*
- Built a modular pipeline to transform scripts into faceless videos with AI-generated visuals and voiceovers.
 - Leveraged Chatterbox-TTS, Stable Diffusion, and MoviePy with efficient GPU utilization.
- PaperWise | PySide6, Ollama, Langchain** *May 2025 – June 2025*
- Engineered an intelligent PDF assistant for seamless document interaction, smart Q&A, and offline AI processing.
- Big Defend | NumPy, Nmap, Scapy** *Jan 2025 – Mar 2025*
- Developed an open-source real-time cybersecurity incident response system using Big Data technologies.