

# Devansh Sharma

AI Backend Engineer

## Contact

- +91-8437330408
- dv.adawatia@gmail.com
- github.com/adawatia
- linkedin/adawatia

## 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

*Artificial Intelligence Engineer Intern*

*Agra, India (Remote)*

*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

*ML Mentee (Trainee)*

*Hyderabad, India*

*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

*Research Intern – Dept. of CSE*

*Assam*

*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.