

Aakash Sehrawat

New Delhi|aakashhsehrawat@gmail.com|8178402069|linkedin.com/in/akashhrsehrawat
github.com/Aakash091-dark

Summary

AI & Software Engineer specializing in **Python, FastAPI, LangChain, and Azure** for developing scalable backend systems, **LLM-based applications**, and automation workflows. Experienced in **MLOps, Prompt Engineering, and cloud-native deployment** across AWS and Azure ecosystems. Passionate about **solving complex problems using data-driven approaches, real-time processing, and multi-API orchestration** to deliver efficient and impactful enterprise solutions.

Key Highlights

- Built end-to-end ML pipelines with CI/CD and AWS deployment using Docker and GitHub Actions.
- Reduced backend API latency by 35% through query optimization and async processing.
- Developed LLM-powered knowledge assistant for enterprise document automation.
- Recognized as a Microsoft Certified Azure AI Engineer with 5+ Azure credentials.

Technical Skills

Cloud Platforms: Microsoft Azure, AWS

Programming Languages: Python, SQL

AI & ML: NLP, LLMs, Deep Learning, Scikit-learn, TensorFlow, PyTorch

ML Frameworks: Hugging Face, LLaMA, LangChain

Data Engineering: ETL, Data Cleaning, Data Modeling, Real-time Analytics

Visualization: Power BI, Matplotlib, Seaborn

Web Development: Flask, Django, FastAPI

Tools: Git, VS Code, Jupyter Notebook, Docker, MLflow

Soft Skills

Visionary Thinking, Empathetic Leadership, Deep Focus, Creative Ideation, Problem Solving, Team Collaboration

Education

Parul University, B.Tech. in Computer Science Engineering

- CGPA: 7.31 / 10.0

- **Relevant Coursework:** Data Structures, Operating Systems, Computer Networks, Java, C

Delhi English Academy, HSC & SSC

- Percentage: 76%

Internship Experience

Backend Python Developer, EPACK Prefab Technology Limited

- Developed and maintained scalable backend services using **Python** and **FastAPI** for enterprise prefabrication solutions.
- Integrated RESTful APIs and third-party services enabling real-time factory operations.
- Optimized PostgreSQL queries, improving data processing speed by 30%.
- Deployed CI/CD pipelines on Azure for continuous delivery with Docker and GitHub Actions.

Projects

End-to-End ML Project with MLflow & AWS

- Designed complete ML pipeline with MLflow for tracking and model deployment.
- Integrated GitHub Actions, Docker, and AWS ECR/EC2 for automated deployment.

VerseCraft: Creative Song Lyrics Generator

- Built LSTM-based deep learning model using PyTorch and Flask.
- Generated multi-genre lyrics with adjustable creativity and coherence control.

Enterprise LLM-Powered Knowledge Assistant

- Built RAG-based LLM assistant using LangChain and vector databases.
- Enabled contextual search and Q&A over enterprise documentation.

Certifications

- AZ-900: Microsoft Azure Fundamentals
- SC-900: Microsoft Security, Compliance, and Identity Fundamentals
- DP-900: Microsoft Azure Data Fundamentals
- AI-900: Microsoft Azure AI Fundamentals
- AZ-104: Microsoft Azure Administrator Associate
- Cisco Data Analytics Certification

Languages

English (Fluent), Hindi (Native)