MAYANK SHARMA

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OBJECTIVE

B.Tech Computer Science student with a strong interest in Generative AI and data science, seeking opportunities to apply Python and machine learning skills to real-world problems and build scalable, production-ready AI systems.

EDUCATION

Manipal University Jaipur   Jaipur, Rajasthan
Bachelor of Engineering in Computer Science   *2024 – 2028*
- Relevant Coursework: Data Structures & Algorithms, Linear Algebra, Probability & Statistics, MATLAB, C

Delhi Public School, Sushant Lok   Gurugram, Haryana
High School Diploma   *2024*

PROJECTS

InsurPredict – Insurance Premium Prediction API | GitHub   Aug 2025
- Productionized a machine learning regression model for real-time insurance premium prediction.
- Built a low-latency REST API using FastAPI with Pydantic for strict input validation.
- Designed the service as a scalable microservice suitable for deployment.

ML Prediction App with FastAPI, Streamlit & Docker | GitHub   Jul 2025 – Aug 2025
- Developed an end-to-end machine learning application with an interactive Streamlit frontend.
- Implemented a FastAPI backend and containerized the application using Docker.
- Demonstrated the complete ML deployment lifecycle.

AWS EC2 Bash Manager | GitHub   Aug 2025
- Built a Bash-based CLI tool to automate AWS EC2 instance lifecycle management.
- Used AWS CLI to create, start, stop, and terminate EC2 instances programmatically.

TECHNICAL SKILLS

Languages: Python, SQL, Bash
AI & Machine Learning: PyTorch, Scikit-learn, Deep Learning, NLP, Generative AI, LangChain, LangGraph, LangSmith
Data & MLOps: Pandas, NumPy, Apache Spark, FastAPI, Pydantic
Data Visualization: Matplotlib, Streamlit, Tableau
Tools: Git, GitHub, Docker, AWS EC2, Oracle Cloud Infrastructure

CERTIFICATIONS

Oracle Cloud Infrastructure 2025 Certified Generative AI Professional   Oracle
LLMs, RAG pipelines, embeddings, GenAI agents

Machine Learning with Python   Coursera
Supervised & Unsupervised Learning, NLP, Deep Learning

Career Essentials in GitHub   LinkedIn Learning
Version control and collaborative workflows

Getting Started with MySQL Command Line   Coursera
SQL queries and relational database fundamentals