

SAGAR KUMAR

AI Engineer | Data Scientist | Machine learning

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OBJECTIVE

AI/ML Intern skilled in Python, SQL, and data pipelines, with experience in EDA, ML model development, and LLM-based agentic workflows. Built models with scikit-learn/PyTorch and deployed an agentic automation pipeline using LangChain, FastAPI, and Docker on cloud platforms.

Experience

Outlier Technologies

Prompt Engineer intern

02/2025 - 08/2025 | Remote

- Tested and refined LLM prompts across summarization and classification tasks, ensuring higher accuracy and relevance in outputs.
- Analyzed model responses on large-scale datasets (10k+ rows) to identify best-performing prompts, leading to 15–20% improvement in consistency scores.
- Delivered evaluation reports to AI teams, enabling adoption of optimal prompts and reducing response errors by 12%. Validated outputs with structured benchmarks and quality checks, achieving 20% reduction in hallucinations.

Tata Consultancy Services

Virtual Intern(Data Visualization)

07/2024 – 01/2025 | Remote

- Cleaned and transformed large datasets (50k+ rows) with Python, Pandas, and SQL, improving data quality.
- Implemented ML models on structured data with 8–10% accuracy gain in experiments.

Skills

Programming: Python, MySQL | **Data Handling & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Tableau, Power BI | **Machine Learning & NLP:** Scikit-learn, Feature Engineering, Hyperparameter Tuning, Model Optimization, NLP | **Agentic AI:** LangChain, Prompt Engineering, Retrieval-Augmented Generation | **APIs & Deployment:** FastAPI, Flask, Docker, Kubernetes | **Cloud Platforms:** AWS, GCP | **Other Tools:** Git, GitHub, Jupyter Notebook

Education

Uttarakhand Technical University

Pauri, India

Bachelor of Technology in EE | GPA : 8.0 / 10

2021 - 2025

JSB IC Haridwar

Haridwar, India

Intermediate | GPA: 9.0 / 10

2018 - 2019

Projects

Disaster Response Optimization System | Python, ML, Geospatial Analysis

- Analyzed Uttarakhand disaster data to map fatalities, economic loss, and government relief impact.
- Built ML models to predict disaster severity and resource needs.
- Engineered geospatial features like hospital distance, road access score, and route-based casualty risk.
- Developed a response-optimization module for rescue-team allocation and medical facility routing.

House Sales Prediction | Python, Machine Learning

- Developed a predictive model to estimate house prices using historical sales data.
- Performed EDA on 5,000+ records, engineered features, and implemented regression models in Python.
- Achieved ~82% prediction accuracy, demonstrating ability to solve real-world business problems with ML.