

Ameer Sohail Shaik

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SUMMARY

Inspiring Data Scientist and MS Data Science student at University of Maryland with hands-on experience building production-level ML systems that delivered significant portfolio performance improvements. Combines rigorous academic foundation in Machine Learning and Statistical Analysis with real-world application of Python, TensorFlow.

EXPERIENCE

Machine Learning Engineer <i>Proceedit – (Remote)</i>	August 2024 – August 2025 <i>Barcelona, Spain</i>
<ul style="list-style-type: none">Designed and implemented advanced time-series forecasting models using ARIMA, SARIMAX, LSTM models achieving a 98% accuracy rate for corrected target prices. This enabled actionable financial insights and supported strategic decision-making, enhancing predictive capabilities and informing investment strategies.Engineered automated data pipeline for trading ML models that reduced critical data update times from 60+ minutes to 5 minutes, improving operational efficiency by 50%.	

EDUCATION

Master of Science in Data Science <i>University of Maryland - College Park</i>	Aug 2025 - Present <i>College Park, MD</i>
<ul style="list-style-type: none">Relevant coursework: Machine Learning, Statistical Analysis, Big Data Systems	

Bachelor of Technology in Computer Science and Engineering <i>Vellore Institute of Technology, AP</i>	2020 - 2024 <i>AP, India</i>
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PROJECTS

AutoML-ify <i>Python, Streamlit, Machine Learning</i>	March 2025
<ul style="list-style-type: none">Designed and implemented end-to-end automated machine learning application streamlining data preprocessing, model selection, and evaluation without coding knowledge.Engineered scalable data pipeline architecture supporting multiple data formats and real-time model training capabilities.Integrated 5+ machine learning algorithms with automated hyperparameter tuning for non-technical users.	
Dynamic SQL Assistant <i>Python, Streamlit, LangChain, Groq API, SQLite, NLP</i>	Feb 2025
<ul style="list-style-type: none">Developed a Text-to-SQL application using Streamlit, integrating LLM capabilities via Llama 3, Groq API and LangChain achieving a 95%+ success rate in translating natural language to SQL queries. This improved data accessibility for nontechnical users and improved query accuracy.Engineered a dynamic database creation system that automatically converts CSV datasets into queryable SQLite databases, streamlining data integration and reducing setup time by up to 90%. Additionally, implemented robust error handling for SQL queries, reducing query failures by 60% and enhancing system reliability.	

TECHNICAL SKILLS

Programming Languages: Python (Advanced), Java (Intermediate), R (Basic), SQL (Advanced)

Databases: MySQL, PostgreSQL, MongoDB

Tools: Jupyter Notebook, Google Colab, Git, Jira, Airflow, Spark, Matlab, Visual Studio, Microsoft Excel, Confluence

Data Science Libraries: Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow

Data Analysis: EDA (Exploratory Data Analysis), Statistical Analysis, Data Visualization

Cloud Platforms: AWS S3, AWS Redshift