

Ameer Sohail Shaik

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Machine Learning Engineer

I am a Data Enthusiast with hands-on experience in machine learning, data science, and statistical analysis. I excel at building advanced forecasting models using Python, TensorFlow, and related tools. My passion lies in optimizing data processes and extracting actionable insights that drive real-world impact. I thrive in tackling ambiguous problems and am committed to driving innovation through analytical rigor and continuous learning. As a strong communicator and collaborative team player, I am dedicated to continuous learning and delivering measurable results.

Work Experience

Machine Learning Engineer Proceedit (Remote), Barcelona, Spain	Aug 2024 - August 2025
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- Architected and deployed advanced time-series forecasting models using ARIMA, SARIMAX, and LSTM neural networks, achieving 98% accuracy for stock price predictions and enabling data-driven trading decisions that increased portfolio returns by 22%.
- Led development of a Master AI orchestration system using Flask APIs that automated coordination between specialized trading bots, reducing manual intervention by 85% and enabling 24/7 market monitoring capabilities.
- Engineered an automated data pipeline for trading ML models that reduced critical data update times from 60+ minutes to 5 minutes, improving operational efficiency by 97% and enabling real-time trading algorithm adjustments during market volatility.

Education

- Master of Science in Data Science, University of Maryland, College Park, MD** Aug 2025 – May 2027. Relevant coursework: Machine Learning, Statistical Analysis, Big Data Analytics
- Bachelor of Technology in Computer Science and Engineering, Vellore Institute of Technology, AP, India** 2020 – 2024. Graduated with Honors, GPA: 8.32/10

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
- Cloud Platforms:** AWS S3, AWS Redshift

Projects

- AutoML-ify | Python, Streamlit, Machine Learning (Demo)**
 - Designed and implemented an end-to-end automated machine learning application streamlining data preprocessing, model selection, and evaluation without coding knowledge.
 - Reduced ML workflow time from days to minutes, automating repetitive tasks while maintaining model quality.
 - Integrated 5+ machine learning algorithms with automated hyperparameter tuning for non-technical users.
- Detecting Diabetic Retinopathy using Deep Learning | Python, Machine Learning, MySQL, HTML**
 - Developed an innovative project for in-depth analysis of Diabetic Retinopathy stages using deep learning.
 - Built an intuitive interface for users to upload retinal images for precise analysis.
 - Utilized TensorFlow and NumPy for sophisticated image classification and real-time diagnostic display.