

# SYED ABDUL WAHEED

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## PROFESSIONAL SUMMARY

Entry-level Data Scientist with strong foundations in Python, SQL, statistics, and machine learning, and clear intuition of core ML concepts including bias-variance tradeoff, regularization, and model evaluation. Hands-on experience building and deploying end-to-end ML pipelines across finance, e-commerce, logistics, and time-series forecasting use cases.

## TECHNICAL SKILLS

<b>Programming</b>	Python, SQL
<b>Data Analysis</b>	Pandas, NumPy, Matplotlib, Seaborn, Exploratory Data Analysis
<b>Machine Learning</b>	Logistic Regression, Random Forest, XGBoost, LightGBM, Clustering
<b>Deep Learning</b>	Neural Networks, LSTM (time-series forecasting)
<b>Libraries</b>	scikit-learn, TensorFlow / Keras
<b>Deployment</b>	Streamlit, Flask, REST APIs
<b>Databases</b>	MySQL
<b>Tools</b>	Git, Jupyter Notebook, Anaconda

## PROJECTS

### Stock Market Time-Series Forecasting using LSTM

*Python, TensorFlow/Keras, Pandas, NumPy, Streamlit, yfinance* Built an end-to-end LSTM-based time-series forecasting pipeline with automated data acquisition, preprocessing, training, and evaluation across 20+ NSE stocks (2015–present), achieving  $R^2 > 0.90$  and deploying a Streamlit app for inference and visualization.

### Credit Risk and Fraud Detection Models

*Python, LightGBM, Imbalanced-learn, Flask* Built credit risk models using Logistic Regression and fraud detection models using Isolation Forest. Handled class imbalance using SMOTE, improving fraud recall by over 20%. Deployed real-time prediction services using Flask-based REST APIs.

### Hybrid Product Recommendation Engine

*Python, scikit-learn, Surprise* Developed collaborative filtering and content-based recommendation systems for e-commerce datasets, reducing RMSE by 12% and improving Precision@K through feature engineering.

### Delivery ETA Prediction and Route Optimization

*Python, XGBoost* Built regression models to predict delivery ETAs using logistics data, improving prediction accuracy by approximately 15%.

## INTERNSHIP

### AI & Decentralized Intern

BlockseBlock

Aug 2025 – Sep 2025

Worked on AI-driven and decentralized technology projects, contributing to data processing, experimentation, and model-oriented workflows in a startup environment.

## EDUCATION

### B.E. in Computer Science

Osmania University, Hyderabad

2021 – 2025

CGPA: 7.23/10

## CERTIFICATIONS

Machine Learning Specialization — Coursera (Andrew Ng)

Building LLM Applications with Prompt Engineering — NVIDIA