

# Kovur Shameel Ahmed

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## Summary

MCA graduate with hands-on experience in Python back-end development, AI/ML engineering, and data pipeline design. Built production-grade NLP systems and time-series forecasting models. Looking for a Software Engineering or Data Engineering role where I can contribute to scalable and reliable systems.

## Technical Skills

Languages	Python (Expert), Java, SQL
Frameworks	Django, Flask, REST APIs
AI / ML	TensorFlow, Scikit-learn, NLP (NLTK), Pandas, NumPy, LSTM, XGBoost
Databases	MySQL, DBMS fundamentals
Infrastructure	Linux, Cloud Computing, Git
Core Competencies	Data Structures & Algorithms, System Design, Root-Cause Analysis

## Experience

### Artificial Intelligence Intern

January 2025 – March 2025

Intrainz Innovation

Bengaluru, Karnataka, India

- Engineered an end-to-end **Spam News Detection** system using NLP and supervised ML, achieving robust classification of misinformation across large text datasets.
- Built complete ML pipelines—data ingestion, preprocessing, feature engineering, and hyperparameter tuning—using **Python, Scikit-learn, and TensorFlow**, reducing model error by iterative optimization.
- Implemented NLP workflows with **NLTK**: tokenisation, stopwords removal, TF-IDF vectorization, and text normalization to prepare training corpora.
- Deployed a **Flask-based REST API** to serve the trained model, managing the complete lifecycle from raw data to production endpoint.
- Collaborated cross-functionally to translate complex data outputs into actionable insights through rigorous testing and analytical reporting.

## Projects

### Agricultural Price Prediction System

Python, LSTM, XGBoost, Pandas

- Designed a time-series forecasting model combining **LSTM** (deep learning) and **XGBoost** (gradient boosting) to predict commodity market prices with high accuracy.
- Built the complete data pipeline: ingestion of raw market data, feature engineering (lag features, rolling statistics), model training, and evaluation on held-out test sets.
- Results provided actionable market-trend forecasts, demonstrating practical real-world impact of ML-driven decision support systems.

### Real-Time Spam News Classifier

Flask, NLP, Scikit-learn, REST API

- Developed and deployed a **Flask web application** that classifies news articles as spam or legitimate in real time, handling end-to-end flow from raw input to prediction output.
- Mastered the full ML lifecycle: data cleaning, model selection, evaluation metrics (precision/recall/F1), and production monitoring for 24/7 reliability.

## Education

### Master of Computer Applications (MCA)

September 2023 – May 2025

Sree Vidyanikethan Education Trust (SVET), Tirupati

### Bachelor of Science — Mathematics & Computer Science

June 2018 – October 2021

Sri Venkateswara University, Tirupati

## Certifications

- Artificial Intelligence using Python
- AI Tools Workshop
- Technical Support Fundamentals (Google / Coursera)
- AI and Data Scientist