

# Momin Sikandar

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## WORK EXPERIENCE

### Mavericks United | Machine Learning Intern

(July 2025 – Sep 2025)

- Scrape jobs from multiple job portals using query-based search with Selenium and minimal libraries.
- Apply a sequential model to extract relevancy and improve ranking with machine learning-based text classification.

### Knowledge Streams | Trainee Data Science

(Oct 2024 – Dec 2024)

- Designed and improved systems to process large datasets more efficiently and accurately using tools like Pandas, NumPy, and SQL.
- Built and applied machine learning and deep learning models to predict sales trends and support data-driven decisions.

## PROJECTS

### IntelliAgro - AI-Powered AgroDrone [Link](#)

- Developed a YOLOv8-based crop disease detection system, achieving over 90% accuracy on 5,000+ images.
- Integrated Flask API and BLE for drone spraying, reducing detection time by 70%.

**Technologies:** (YOLOv8, Flask, Python, BLE, Tello, Thonny)

### Ethereum Price Prediction [Link](#)

- Developed a predictive model using Long Short-Term Memory (LSTM) networks to forecast Ethereum prices based on historical closing price data.
- Preprocessed and scaled six years of Ethereum price data (2018–2024) for effective time series modeling.
- Built and trained the LSTM model, enabling the prediction of Ethereum price trends for the next 60 days.

**Technologies:** (Python, TensorFlow, Keras, LSTM, Pandas, Matplotlib)

### Quizley-App [Link](#)

- Developed a Flask-based web application that extracts content from PDF and DOCX files using LangChain loaders.
- Integrated Cohere's large language models to generate summaries, multiple-choice, short-answer, and curiosity-driven questions.

**Technologies:** (Python, Flask, LangChain, Cohere API, NumPy)

## CORE SKILLS

**Languages:** Python, SQL, AIML

**Frameworks:** Pandas, Numpy, Scikit-Learn, LangChain, Selenium

**Platforms:** Google Colab, Jupyter Notebook, Visual Studio Code

**Soft Skills:** Excellent communication, stakeholder management, people leadership

## EDUCATION

### University of Management and Technology

BS Artificial Intelligence

(Sep 2021 – July 2025)

### Mir Haji Khuda Bux Government Degree College

Fsc Pre Engineering

(April 2017 – Aug 2019)