

SHIEKH SAMEER

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EDUCATION

Integrated M.Tech in Artificial Intelligence

VIT Bhopal University, India

CGPA:8.01

2021–Present

Shri Vinayakam School

12th Grade (CBSE) – 70.2%

2020

10th Grade (CBSE) – 67.4%

2018

SKILLS

Languages: Python, SQL

Libraries/Frameworks: TensorFlow, Keras, OpenCV, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

Tools/Platforms: Jupyter, Google Colab, Git, Linux, Kaggle, Coursera, VITyarthi, Streamlit, VS Code

PROJECTS

Object Detection System (OpenCV + TensorFlow)

- Developed a real-time object detection pipeline using MobileNet SSD with OpenCV.
- Achieved 25+ FPS on live webcam stream using multithreaded video processing.
- Improved model precision by 12% through ROI cropping and confidence threshold tuning.

Cryptocurrency Price Prediction (ML)

- Built a hybrid time-series model combining LSTM and Linear Regression on Bitcoin & Ethereum.
- Achieved Mean Absolute Percentage Error (MAPE) under 4.8% on test data.
- Incorporated RSI, MACD, and Bollinger Bands for volatility-aware feature engineering.

Fake News Classifier (NLP)

- Built a logistic regression model with TF-IDF and n-gram features to classify news as fake/real.
- Reached 92% accuracy on a dataset of 10,000+ labeled political and social news articles.
- Optimized with grid search on C-penalty and max_df parameters to reduce false positives by 15%.

WORK EXPERIENCE

AI Intern — Edunet Foundation / Shell-AICTE Skills4Future

Apr 2025

Project: Wind Power Generation Forecasting

- Developed predictive models (Random Forest, ARIMA) for wind energy output.
- Worked with meteorological datasets, including wind speed and direction from open APIs.
- Visualized model performance using interactive dashboards (Plotly/Matplotlib).

CERTIFICATIONS

- SQL Fundamentals – Kaggle
- Self-Driving Cars with AI – Coursera
- Computer Vision Mastery – VITyarthi

EXTRACURRICULARS

- **StockMarket Trader:** Use technical indicators, news sentiment backtesting for market strategy.
- **E-commerce Marketing :** Managed Instagram presence and social marketing strategies to boost online sales for a retail business.