

Mayukh Jain

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SUMMARY

Machine Learning and Data Science enthusiast with experience in predictive modeling, data analysis, and AI-driven solutions. Skilled in Python, Scikit-learn, TensorFlow, and AWS cloud services. Completed projects in flood prediction, fraud detection, and stock price forecasting with a focus on deploying scalable, data-driven applications.

TECHNICAL SKILLS

Programming Languages & Databases: Python, C++, SQL, Java, MySQL

Frameworks: TensorFlow, PyTorch, Flask

Libraries & Tools: NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, Git, Google Colab, Jupyter Notebook, MatLab

Cloud Platforms: AWS (EC2, S3, Lambda, IAM), Azure, IBM Cloud

PROJECTS

Flood Prediction using Machine Learning | [Link](#)

Sept 2024 – Dec 2024

Predictive Analytics / Time-Series

Python, Flask, Streamlit, Random Forest, OpenWeather API, Scikit-learn

Assembled an ML-powered flood prediction system achieving 80–90% accuracy, enhancing disaster preparedness. Integrated real-time weather data via OpenWeather API, improving forecasting efficiency by 40%, and deployed a Flask-based web app for instant risk assessment.

Fraudulent Document Detection System | [Link](#)

Jan 2025 – April 2025

Computer Vision + Fraud Detection

React, Flask, TensorFlow (CNN), OpenCV, Scikit-learn, Flask, pytesseract

Developed an AI-based fraud detection model for Nevada(USA) ID cards, identifying fraudulent patterns with 85%+ detection accuracy. Applied supervised ML and anomaly detection techniques, and integrated the solution into a Flask web interface for real-time verification.

Stock Price Predictor | [Link](#)

May 2025 – July 2025

Predictive Analytics / Time-Series

Python, LSTM (Keras), Streamlit

Built a time-series forecasting model using LSTM and regression techniques to predict stock market trends with high accuracy. Implemented data preprocessing, visualization, and evaluation metrics to optimize performance and provide actionable insights.

EXPERIENCE

Technical Team Member

Oct 2024 – Present

TechnoMech Club

VIT, Bhopal, India

- Organized and conducted coding contests and technical workshops.
- Mentored juniors in Python and web development.
- Contributed to the development and maintenance of the club website.

EDUCATION

VIT Bhopal University

B.Tech. in Computer Science, Cloud Computing

Bhopal, India

Aug 2023 – Present

CERTIFICATIONS

- Smartbridge Certified Machine Learning in collaboration with Google
- Microsoft Certified: Azure Data Fundamentals
- Journey to Cloud: Envisioning Your Solution IBM