Mayukh Jain

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SUMMARY

Aspiring Application Engineer with hands-on experience in building ML-powered web applications using Python, Flask, React, and deep learning frameworks like TensorFlow and PyTorch. Adept at full-stack development, ML model deployment, and cloud integration. Strong foundation in data preprocessing, model optimization, and delivering scalable AI-driven solutions.

TECHNICAL SKILLS

Programming Languages: Python, C++, SQL, Java

Frameworks: TensorFlow, PyTorch,Flask

Libraries & Tools: NumPy, Pandas, Scikit-learn, Pandas, Matplotlib, Seaborn, Git

PROJECTS

Stock Price Predictor   May 2025 – July 2025
Deep Learning Project   *Python, LSTM (Keras), Streamlit*
  • Built an LSTM-based deep learning model to forecast stock prices using historical data. Visualized predictions using interactive charts in Streamlit and consumed data via Yahoo Finance API.

Fake ID Detection System   Jan 2025 – April 2025
Natural Language Processing   *React, Flask, TensorFlow (CNN), OpenCV*
  • Developed a CNN-based model to detect fake Nevada ID cards using image classification. Integrated the model with a responsive React + Flask web app and deployed it using Render and Netlify.

Flood Prediction System   Sept 2024 – Dec 2024
Natural Language Processing   *Python, Flask, Streamlit, Random Forest*
  • Built a machine learning model using weather features (rainfall, humidity, windspeed) to predict the probability of floods. Developed a user-friendly web app using Streamlit and deployed it using Flask for real-time inference.

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   Bhopal, India
Bachelor of Technology (B.Tech) in Computer Science   *Sept 2023 – Present*

CERTIFICATIONS

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