Portfolio

Himanshu Srivastava

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Summary

Aspiring Machine Learning Engineer completing B.Tech. in Computer Science and Engineering with specialization in AI/ML. Experienced in developing and implementing machine learning models, conducting data analysis, and collaborating with cross-functional teams. Proficient in Python, TensorFlow, FastAPI, and cloud platforms like AWS and Azure.

Education

Noida Institute Of Engineering And Technology July 2024
B.Tech. in Computer Science and Engineering (Specialization: AI/ML)

Work Experience

TwoWaits Technologies Pvt. Ltd July 2022 - August 2022
Machine Learning Scholar Intern

- Performed Exploratory Data Analysis (EDA) on the Netflix dataset, identifying patterns and trends.
- Developed algorithms such as Linear Regression, Decision Trees, and K-Means Clustering.
- Contributed to data-driven projects through hands-on experience.

Zeero Two Technova Pvt. Ltd February 2024 - Current
Jr. Machine Learning Engineer

- Conducted EDA on datasets to derive actionable business insights.
- Developed machine learning models using Linear Regression, Decision Trees, and K-Means Clustering.
- Built and trained LSTM models for sequence prediction.
- Implemented secure Peer-to-Peer (P2P) file transfer systems.
- Optimized backend functionalities with FastAPI and MongoDB.
- Collaborated with cross-functional teams for data-driven decision-making.
- Continually enhanced skills in machine learning and programming.

Skills

Programming Languages: Python, Java, SQL, JavaScript
Libraries & Frameworks: TensorFlow, Scikit-Learn, FastAPI, Firebase, Pandas, Numpy, Selenium
Databases & Tools: MongoDB, Docker, Git, Linux, Azure, AWS
Areas of Expertise: Deep Learning, Natural Language Processing, Computer Vision, Data Engineering, MLOps

Personal Projects

Anime Recommender System | *Deep learning, Docker, FastAPI, MongoDB* Present

- Developed an anime recommender system using cosine similarity and FastAPI, achieving 85% accuracy.
- Utilized Docker for containerization and MongoDB for data storage.

Intent Classification with BERT | *Deep learning, NLP, FastAPI* January 2024 - April 2024

- Fine-tuned a BERT model for intent classification with an F1 score of 0.92.
- Implemented data preprocessing and model training pipelines in Python.
- Deployed the model using FastAPI for integration into a conversational AI system.

Machine Learning for Disaster Response | *Deep learning, Firebase, MongoDB* October 2023 - December 2023

- Built an image classification model to assess disaster severity with 92% accuracy.
- Integrated the model with Firebase for user authentication and data management.
- Contributed to a community project for efficient disaster response.