

DIVYANSH KUSHWAHA

India

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Education

B.Tech (Electronics and Communication Engineering)

Madan Mohan Malaviya University of Technology

7.90 CGPA (Current)

Nov. 2021 - Present

Gorakhpur, Uttar Pradesh

Intermediate (XII)

Sun De Sun Public Inter College, Board - UPMSB

79.2%

April 2019

Unnao, Uttar Pradesh

Projects

Vehicle Insurance Claim Prediction | *Machine Learning, Docker, Github, AWS(S3,ECR)* - [Link](#)

- Developed an end-to-end Vehicle Insurance claim Prediction System using a Random Forest Classifier, achieving 88% accuracy for predicting insurance claims.
- Integrated MongoDB Atlas for real-time data storage and retrieval, and utilized AWS S3 for model storage and deployment, ensuring scalability and reliability.
- Set up a fully automated CI/CD pipeline with Docker, GitHub Actions, and a self-hosted EC2 runner, enabling seamless deployment and continuous integration.

Movie Recommender System | *Python, Flask, Docker, NLP* - [Link](#)

- Developed a content-based movie recommender system using NLP techniques like CountVectorizer and PorterStemmer to process movie descriptions.
- Implemented a content-based recommendation algorithm using cosine similarity to measure similarity between movie descriptions.
- Utilized Python, Pandas, Scikit-learn, and Flask for data preprocessing, model building, and user interface development, built docker image of app and pushed it to dockerhub for public access.

Marketing Data Analysis | *Python, SQL, PowerBI* - [Link](#)

- Utilized Python, SQL, and Power BI to examine ShopEasy's marketing performance, uncovering actionable insights that improved customer conversion and engagement strategies.
- Applied sentiment analysis techniques using Python to categorize customer feedback into positive, negative, and neutral sentiments.
- Built and deployed interactive Power BI dashboards to visualize critical marketing metrics, such as conversion rates and engagement. Enabled data-driven decision-making by presenting clear, actionable insights to stakeholders.

Technical Skills

Programming Languages and Frameworks: Python, MySQL, FastAPI, Langchain, OpenAI APIs

Data analysis and Visualization: Pandas, Numpy, Matplotlib, Statistical techniques, PowerBI

Machine Learning: ML Algorithms, Model Building and Evaluation, Scikit-learn, MLFlow

Deep Learning: Tensorflow, Keras, NLP, LLMs, HuggingFace Transformers, Fine-Tuning

Cloud Services and MLOps: AWS (EC2, S3, ECR), Docker, DVC, Git, Github Actions

Certifications

- Probability and Statistics for Machine Learning and Data Science - *DeepLearning.AI*
- Mathematics for Machine Learning- *Imperial College London*
- Databases and SQL for Data Science with Python - *IBM*
- Generative AI with Large Language Models- *DeepLearning.AI*

Extra-Curricular & Achievements

Society of Automotive Engineers | *Executive Society Member*

- * Organized university events, including seminars, workshops, and the annual technical fest 'TechSrijan'.

Kaggle | *Contributor*

- * Shared datasets for public use, enabling other data enthusiasts to conduct analysis, build models and ranked 510 in the Time Series Forecasting competition.