Vikas Chauhan

✉ chauhanvikas734@gmail.com | 📱 (839) 798-5387 | 🌐 https://vikaschauhan734.github.io/portfolio/
 github.com/vikaschauhan734 | in linkedin.com/in/vikas-chauhan-700a7b189/

EDUCATION

Guru Jambheshwar University of Science & Technology, Hisar — Oct. 2020 - Jul. 2022
M.Sc. in Mathematics — *CGPA: 7.67/10*

Guru Jambheshwar University of Science & Technology, Hisar — Jul. 2017 - Oct. 2020
B.Sc. in Mathematics — *CGPA: 7.21/10*

CERTIFICATIONS

Microsoft Certified: Azure Data Scientist Associate — Feb. 2023 - Feb. 2025

Microsoft Certified: Azure Data Fundamentals — Dec. 2022

AWS Certified: Cloud Practitioner — Nov. 2022 - Nov. 2025

Microsoft Certified: Azure Administrator Associate — Oct. 2022 - Oct. 2024

Microsoft Certified: Azure Fundamentals — Aug. 2022

EXPERIENCE

Acadecraft Inc. — Jan. 2024 - Present
Research Associate

Newbieron Technologies — Sept. 2023 - Oct. 2023
Data Scientist Intern

PROJECTS

Bank Marketing Campaign Machine Learning Project

Predicting the client will subscribe a term deposit or not   *Classification, Python, Flask, Docker, AWS, GitHub Actions*

- Conducted EDA and performed data cleaning to prepare the dataset.
- Implemented modular coding for data ingestion, transformation, and model training, enhancing reproducibility and scalability.
- Created a Flask web application to provide a user-friendly interface for model predictions.
- Dockerized the project for portability and consistency across different environments.
- Deployed the Docker image on AWS EC2 instance for production deployment.
- Set up Continuous Integration and Continuous Deployment (CI/CD) pipeline using GitHub Actions for seamless updates and maintenance.

Diabetes Prediction

Detecting diabetic and non-diabetic using random forest classifier algorithm *Classification, Python, Git, Flask, AWS*

- Trained and test multiple algorithms and achieved the precision and recall score of 0.98.
- Created Flask Web App.
- Deployed on AWS EC2 Instance.

Bengaluru House Price Prediction

Predicting house price using linear regression algorithm   *Regression, Python, Power BI, Git*

- Trained and test multiple algorithms and achieved the accuracy score of 0.84.
- Created dashboard using Power BI.

ATS Tester LLM Project

Predicting the percentage match and missing keywords in resume   *Gemini, Python, Git, Flask, Docker, Azure*

- Created Flask Web App.
- Containerized the app
- Deployed on Azure Platform

Cat Dog Classification

Classifies images as either Cat or Dog   *CNN, Python, Git, Flask*

- Created and trained multiple models; achieved the precision and recall score of 0.98 and 0.97 respectively.
- Created Flask Web App.

Brain Tumors Classification

Classifies images as brain tumor type   *CNN, Python, Git, Flask*

- Created and trained multiple models; achieved the accuracy score of 0.93.
- Created Flask Web App.

Fake News Classification

Predicting whether news article is fake or real   *NLP, Python, Git, Flask*

- Trained and test multiple algorithms and achieved the precision and recall score of 0.93 and 0.92 respectively.
- Created Flask Web App.

Stock Sentiment Analysis

Predicting whether stock price increase or decrease based on top 25 news headlines   *NLP, Python, Git*

- Trained using Random Forest Classifier and achieved the precision and recall score of 0.96 and 0.97 respectively.

Top 10000 Popular Movie Analysis

Extracting insights from data and visualization   *Python, Git*

- Distribution based on Language, Genre, Production Company.
- Popularity over time, Financial trends, genre and language analysis over time.

SKILLS

Languages:

Python, SQL

Libraries:

NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Tensorflow, Keras, nltk

Technologies & Tools:

Flask, Power BI, Tableau, Git, Linux, Docker, MLOps, MLflow, DVC, GitHub Actions