

Harsh Joshi

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EDUCATION

B.K.Birla college of arts,commerce and science

kalyan,maharashtra

B.Sc Information Technology (9.8 gpa)

May 2023

Kamaladevi College of Arts , Commerce & Science

vithalwadi,maharashtra

H.S.C

May 2020

PERSONAL PROJECT

1. MushroomTech

- Developed a machine learning model for mushroom classification, achieving an accuracy of 97% using Random Forest, Logistic Regression, and XGBoost algorithms, outperforming existing models by 5%
- Preprocessed and analyzed a dataset of 8,000 mushroom samples with precision score of 0.95 and recall score of 0.96 to ensure reliable and accurate predictions.
- Built a user-friendly web interface for the application using Node.js, HTML, CSS and JavaScript with an average response time of less than 100 milliseconds to provide an intuitive user experience.
- Github: <https://github.com/harsh0506/MushroomTech>

2. Deep Learning Image Classification: Brain Tumor Classifier

- Engineered a Convolutional Neural Network (CNN) using TensorFlow and Keras, yielding a powerful tool for accurate image classification.
- Developed a Flask backend serving a user-friendly web-based UI and an API endpoint for real-time predictions.
- Achieved seamless scalability through Docker and aws ecr, enhancing deployment efficiency.
- GitHub: https://github.com/harsh0506/Brain_tumor_classification

3. Fuel Consumption EDA:

- Analyzing Correlations, Trend
- Employed Python's data visualization libraries to dissect fuel consumption data, unearthing crucial trends in emissions.
- Conducted comprehensive analysis of a fuel dataset spanning over two decades, spotlighting key insights such as a positive correlation between highway fuel consumption and emissions.
- Collaborated seamlessly with team members, optimizing data analysis efficiency and delivering actionable recommendations for emission reduction strategies.
- GitHub: https://github.com/harsh0506/EDA_on_FuelDataset/tree/master

SKILLS

Python | SQL | Data Visualization (Tableau, Matplotlib) | Statistical Analysis | Machine Learning | Excel | Data Cleaning | Problem Solving | Communication Skills | Cloud Computing (AWS) | REST API | GIT | Power BI | Flask | FastAPI | PostgreSQL | HTML | CSS | JavaScript | ReactJS | ExpressJS | AWS

CERTIFICATION

- Introduction to Data Science (Issued by Cisco)
- Artificial Intelligence Virtual Experience Program