ASHUTOSH KAMBLE

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Education

Padmabhooshan Vasantraodada Patil Institute of Technology Feb 2021 – May 2024
Bachelor of Technology, Computer Science and Engineering | 7.69/10 Sangli, India

Skills

- **Programming Languages:** Python, C, C++, R, SQL
- **Machine Learning**: Linear Regression, Logistic Regression, Random Forest, SVM, K-Means
- **Libraries & Framework**: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras, OpenCV
- **Databases**: MySQL, PostgreSQL
- **Tools & Cloud**: Git, GitHub, Jupyter Notebook, Google Colab, Docker, Streamlit, AWS (SageMaker)

Projects

Real Time License Plate OCR: Python, YOLOv8, OpenCV | GitHub
- Built a real-time vehicle license plate identification system using YOLOv8 for plate detection, Tesseract OCR for text extraction and deployed on NVIDIA Jetson for edge computing.
- The system captures real-time video frames, preprocesses images (grayscale, resizing), and extracts license numbers efficiently with 92% accuracy

Breast Cancer Detection: Python, Scikit-learn, Logistic Regression, Matplotlib | GitHub
- Used Logistic Regression with Scikit-learn on the Wisconsin Breast Cancer dataset for binary classification.
- Processed and visualized data using Pandas, NumPy, and Matplotlib to identify key features.
- Achieved 97.37% test accuracy, improving early cancer prediction reliability and decision support in healthcare.

Stock Price Prediction: Python, yfinance, Keras(LSTM), Streamlit | GitHub
- Developed a Stock Market Predictor using yfinance for data retrieval, pandas and NumPy for data processing, MinMaxScaler for normalization, Keras for predictive modeling, and Streamlit for a dynamic web interface.
- The system fetches stock data (2012–2022), transforms it into 100-day sequences, scales it, and leverages a Keras neural network to forecast prices, with results displayed interactively via Streamlit.

Trending Tweets Analysis: Python, Tweepy, NetworkX | GitHub
- Developed an automated Twitter pipeline using Tweepy for data extraction and NetworkX for conversation graph modeling.
- Collected and processed tweets, modeled conversation graphs, and generated interactive geospatial insights.

Experience

Data Scientist Intern May 2024 – Aug 2024
Gamka AI Pune, India
- Build and deployed machine learning models (Logistic Regression, Random Forest) in order to evaluate readmission risk for patients, improving healthcare decision-making while performing web scraping, data processing. Developed automated pipelines in Python using Scikit-learn and deployed model as a Flask API to expedite integration into production.

AI/ML Engineer Freelancer Feb 2025 – May 2025
UpWork Remote
- Performed web scraping, data collection, data preprocessing, feature engineering, and selection to improve model performance on datasets for clients
- Designed and implemented web scraping pipelines to collect, clean, and organize large datasets. Deployed scalable ML models into production, enabling data-driven decision-making.

Certification

- **IBM Data Science** – **IBM**
- **Structuring Machine Learning Projects** – **DeepLearning.AI**
- **AWS Fundamental** – **Amazon Web Services**