ANIRUDHRA SHANTILAL RAO

Data Scientist

raorudhra16@gmail.com | 8459411908 | B-102 Bharat Bhusan, Nalasopara East

GitHub | Linkedin | HackerRank

EDUCATION

E. S. Andrades College Of Science (Vartak) — vasai
Bachelor computer science — 2019 - 2022
CGPA: 7.83

EXPERIENCE

PW Skills | Data scientist intern — Remote | July 2023 - Present
- Conceptualized, executed, and concluded a **mushroom classification** project, working independently.
- Ensured data integrity by collecting, cleaning, and preprocessing a comprehensive mushroom dataset.
- Engineered and optimized a classification model, yielding an impressive **90% validation accuracy**.
- Implemented robust logging mechanisms to monitor and assess the model's real-time performance.
- Established an end-to-end **MLOps pipeline**.
- Developed a user-friendly web interface using **Flask**, **HTML**, and **CSS** to facilitate model interaction.

SKILLS

Programming Languages:	Python
Libraries/Frameworks:	beautifulsoup, pandas, flask, numpy, scipy, scikit-learn, TensorFlow, PyTorch, machine learning, statistics, data analytics
Tools / Platforms:	Github
Databases:	SQL

PROJECTS / OPEN-SOURCE

Wafer Fault Detection | Link — *Jupyter Notebook, Python, Flask, MongoDB, HTML, CSS*
- Designed modular Python-Flask codebase for a wafer fault detection system.
- Managed wafer datasets via MongoDB Atlas for scalability.
- Preprocessed raw wafer data to enhance quality.
- Integrated ML algorithms for accurate fault detection.
- Streamlined real-time fault detection through a robust pipeline.

Diamond Price Prediction | Link — *Jupyter Notebook, Python, Flask, HTML*
- Utilized Python and Flask for modular code in a diamond price prediction system.
- Built a preprocessing pipeline for dataset quality.
- Implemented regression-based ML to predict diamond prices.
- Integrated Flask for user-friendly web predictions.
- Leveraged EDA for valuable insights from the dataset.

CERTIFICATIONS

- Problem Solving (Basic) Certificate - **HackerRank**
- Python (Basic) Certificate - **HackerRank**
- Supervised Machine Learning: Regression and Classification - **coursera**
- Unsupervised Learning, Recommenders, Reinforcement Learning - **Coursera**

HONORS & AWARDS

Earned Python gold level HackerRank
Earned SQL gold level HackerRank