Rhutam Mahajan

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EDUCATION

University of Maryland, College Park 2025-2027
Master of Science (MS), Data Science *College Park, MD*
Savitribai Phule Pune University, Pune 2020-2025
Bachelor of Engineering, Computer Engineering (CGPA: 8.5/10) *Pune India*

EXPERIENCE

InternPe Feb 2024-March 2024
AI/ML Intern *Remote*
- Built a machine learning model that predicts the winning team in a cricket tournament based on analysis of historic data and identified patterns.
- Used Logistic Regression to predict win/loss outcome in cricket matches. Handled non- linearity and highlighted feature importance using random forest classifier. Showed why random forest gives better performance.

Gamaka Ai Aug 2023-March2024
Jr Data Scientist *Pune, India*
- Responsibilities included data cleaning, interpreting data, and analyzing the results using statistical techniques.
- Built an expense tracker in python that asks user to sign in and user can add, view, search expense by date, update and delete expense.

PROJECTS

Plant Leaf Disease Multilevel Classification Using Few Shot Learning Aug 2024- May 2025
- Developed a deep learning multilevel classification model to identify whether a plant has a disease and type of disease.
- Created a custom dataset by cleaning and filtering noisy classes using image embeddings.
- Implemented Efficient Net as a backbone with prototypical networks to achieve high classification accuracy on
- rare disease categories.
- Achieved a training accuracy of 94% and validation accuracy of 91% demonstrating strong generalization with
- limited data. Deployed the model on web using Flask.

Superstore Analysis Oct 2024 – Nov 2024
- Made a comprehensive analysis, visualization and interactive dashboard on superstore dataset using tableau
- Used Tableau's rich features to clean, transform, and visualize the Superstore data, ensuring accuracy and reliability throughout the analysis.
- Demonstrated data visualization skills, including bar charts, pie charts, scatter plots, geographical maps, text tables, area chart and column chart to present a holistic view of the store's performance.

Credit Card fraud detection Feb 2024 – March 2024
- Built a machine learning model that will predict whether a transaction is fraudulent or not.
- Done preprocessing, normalizing and handled class imbalance issues.

TECHNICAL SKILLS & CERTIFICATIONS

- **Core Skills:** C++, Python, Java, SQL,
- **Technical Tools**: Anaconda, Jupyter Notebook, Power BI, Tableau, GDB**.**
- **Certifications:** Google Data Analytics Professional certificate, AWS Academy MachineLearning Foundations,NPTEL Python for Data Science, Altair Data Engineering Professional.

RESEARCH PUBLICATIONS

- *Plant Leaf Disease Multilevel Classification Using Few Shot Learning* paper published in *International Journal of Research and Analytical Reviews.* Volume 12, Issue 2 May 2025