Prasad Jadhav

Pune, Maharashtra, India

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Summary

Data scientist passionate about uncovering insights from complex data and building impactful machine learning models seeks an entry-level analyst role to drive business growth and innovation.

Technical Skills

Languages: Python, SQL, HTML/CSS

Developer Tools: Docker, Postman, VS Code, Google Colab, Jupyter Notebook, GitHub, AWS, Streamlit, ChatGPT, Looker, Google Sheets

Technologies/Frameworks: LangChain, Flask, TensorFlow, Keras, MLFlow, DVC, Hugging Face, Ollama

Techniques: Regression, Classification, Clustering, NLP, Recommender Systems, Prompt Engineering, Feature Engineering, Predictive Analytics, Model Monitoring, Ensemble Models, MongoDB

Visualization Tools: Power BI, Excel, Matplotlib, Seaborn

Statistical & Analytical Skills: A/B Testing, Hypothesis Testing, Regression Analysis, Statistical Modeling, Data Wrangling, Exploratory Data Analysis (EDA)

Experience

Mahindra Rise **June 2023 – December 2024**

Data Analyst & Machine Learning Engineer *Pune, Maharashtra*

- Developed predictive models using boosting and regression techniques, achieving **90% accuracy** and a **65% reduction** in vehicle losses, minimizing downtime.
- Utilized **Excel** and **Power BI** to analyze datasets, identify trends, and create dynamic visualizations, enabling **strategic decision-making** and **15% improvement** in operations.
- Implemented **feature engineering** techniques to optimize workflows and enhance **model performance** for data-driven **production management**.
- Applied **predictive analytics** to optimize processes, reducing defects and rework, driving **operational excellence**.

Senchola Technology Solutions **Sep 2023 – Dec 2023**

Data Analytics Intern *Bangalore, Karnataka*

- Designed and implemented a **data-driven logistics solution** to optimize delivery operations, reduce delays, and improve customer satisfaction for **PORTER**.
- Analyzed logistics data using **SQL** to identify inefficiencies, improving **data accuracy by 20%**.
- Built dynamic dashboards in **Power BI** to visualize **KPIs** like delivery times, vehicle utilization, and route optimization.
- Developed a predictive model for **delivery delay classification** using **Python** and **scikit-learn**, achieving **92% accuracy**.
- Optimized **ETL pipelines**, enabling seamless integration of data from multiple sources using **SQL** and **Excel**.
- Collaborated with stakeholders to implement **actionable insights**, resulting in a **15% reduction in delivery delays**.
- Improved logistics efficiency and reduced delivery times by **12%** through **actionable insights**.
- Achieved **cost savings of 10%** by optimizing routes and minimizing idle time.

Projects

GE Companies: Next Generation and Future — General Electric **Feb – Dec 2024**

Python, Scikit-Learn, Streamlit

- **GE Aerospace: Driving Innovation in Manufacturing**
- Designed and implemented a **machine learning pipeline** to classify and predict **manufacturing defects**, leveraging a dataset of **1M entries**.
- Conducted **feature engineering** and applied **XGBoost** for high-accuracy predictions, achieving **90% precision** in defect detection.
- Optimized **production processes** by analyzing key operational metrics, reducing **downtime by 15%**.
- **GE Vernova: Advancing Clean Energy with AI**
- Developed and deployed **AI-driven models** to optimize clean energy systems, solving complex **regression and clustering** problems.
- Predicted **energy production trends** with **time-series forecasting**, enabling **data-driven sustainability** strategies.
- Delivered **actionable insights** to improve **energy efficiency** and reduce **carbon footprint by 20%**.
- **GE HealthCare: Transforming Medical Device Analytics with AI**
- Built and validated **predictive analytics models** to monitor **device performance**, enhancing **accuracy by 90%**.
- Conducted advanced **data preprocessing** and **feature selection** to improve model performance.
- Implemented **anomaly detection** for early fault identification, reducing **device downtime by 30%**.
- Delivered insights for **strategic decision-making** in **medical device optimization**.

Research

Predicting News Article Engagement Popularity Using Machine Learning Techniques

This research leverages machine learning to predict news article popularity, empowering content creators with actionable insights for enhanced engagement and growth.

Education

DVET Mumbai **2020 – 2022**

Computer Programming *GPA: 9/10*

Certifications

HP Life Data Science & Analytics

PwC Power BI Certification

GE Explore Electrical & Digital Technology with Supply Chain Engineering Certification

CS50: Introduction to Computer Science - Harvard University

Achievements

Ranked in the top **10%** in a Machine Learning Hackathon with over 7000+ participants.