Aadhithya B

Machine Learning Engineer

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PROFILE

Driven and analytical Machine Learning Developer with practical experience in designing, developing, and deploying intelligent solutions. Strong understanding of data patterns, model optimization, and predictive analytics. Focused on delivering impactful results through innovative and data-driven approaches.

EXPERIENCE

- **Ausweg Info Controls Pvt Lmt - Coimbatore (May-2025 to Sept-2025)**

PROJECTS

Energy Consumption Forecasting using Machine Learning (2025)

- Developed ML models to predict industrial energy consumption based on voltage, current, shift, and power data.
- Performing feature engineering, time series analysis (**ARIMA, SARIMA, Prophet)**, and visualization to optimize energy efficiency and decision-making to predict short-term and long-term energy usage.
- Applied data preprocessing, feature engineering, and model evaluation techniques to ensure high accuracy.

Enhancing Taxi Service using Machine Learning (2024)

- Designed and implemented data-driven solutions to enhance taxi service efficiency by analyzing trip patterns, demand hotspots, and customer feedback.
- Applied predictive analytics for demand forecasting and optimized driver allocation to improve service coverage and reduce wait times.
- Develop and execute test plans, including unit tests, integration tests, and end-to-end tests.
- Implement backend services for data processing and model deployment.

SKILLS

- Python (Pandas, NumPy, Matplotlib, SeaBorn, Scikit-learn)
- EDA (Exploratory Data Analysis)
- Git & GitHub
- Google Colab & Jupyter
- ML PipeLines
- Streamlit & Apache Superset
- Ubuntu (Linux)

EDUCATION

- **University College of Engineering, BIT Campus, Anna University, Tiruchirappali**
  B.E - Computer Science Engineering
  2020-2024
  CGPA: 7.7

- **Velan Vikhass Matric Hr Sec School, Palani**
  2018-2020
  80 %

- **Montfort Valley School, Murickumthotty**
  2018
  63 % (CBSC)

CERTIFICATIONS

- GitHub Advanced Securtiy
- Gen AI
- Devops