ADWAITA A.I

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PROFESSIONAL SUMMARY

Aspiring AI Engineer with strong foundations in Machine Learning, Deep Learning, and Data Analytics. Proven experience in developing and deploying AI-powered applications using Python, Streamlit, and Power BI. Completed end-to-end real-world projects including weather analysis, rainfall prediction, and vehicle detection systems. Eager to contribute to innovative AI solutions in dynamic global environments.

EDUCATION

- B.Tech in Computer Science and Engineering [CGPA : 8.41]   2020-2024
- Higher Secondary [Percentage: 85.8%]   2019-2020

EXPERIENCE

Flutter Intern - Xinfoz Technologies Private Limited, Kollam   **May 2025 - Present**
- Contributed to developing and enhancing a Flutter-based application with features such as member management, financial workflows, reports page, fees setup, and streamlined UI for improved user experience.

Data Science Intern – Luminar Technolab, Kochi   **Aug 2024 - Apr 2025**
- Built predictive ML models and analytics dashboards using Python, Scikit-learn, TensorFlow, and Power BI.
- Deployed a rainfall prediction model with Streamlit and developed a Power BI weather dashboard integrating real-time and historical data.

SKILLS

- **Programming**: Python, SQL, Flutter
- **Data Tools**: Power BI, Excel
- **Frameworks & Libraries**: Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib, Seaborn, LangChain, Mediapipe, YOLOv8
- **ML/DL**: Supervised & Unsupervised Learning, Regression, Classification, CNNs, Neural Networks
- **NLP & GenAI**: Text Processing, Classification, Sentiment Analysis, Prompt Engineering, RAG, LangChain Workflows
- **Data Engineering & Visualization**: Data Cleaning, Feature Engineering, EDA, Streamlit UI Development

PROJECTS

- **Book Summarizer & Recommendations – AI-Powered Book Insights**
  - Developed an AI-driven application that summarizes books and provides personalized reading recommendations based on user input.
  - Leveraged the Deepseek V3 model with LangChain for semantic understanding and generative response generation.
  - Built using Flask for backend API integration, featuring a chatbot for answering user queries related to books.
- **Rain prediction in Australia using ML**
  - Designed and deployed a machine learning model to predict whether it will rain tomorrow using historical weather data (2007–2017).
  - Achieved 88% accuracy, demonstrating strong model performance on test data.
  - Built an interactive Streamlit UI to enable real-time predictions and visualizations for public and emergency use.
- **Automated detection of stolen vehicle using YOLO v8**
  - Developed an AI-powered system for real-time stolen vehicle identification and tracking using YOLOv8 and EasyOCR.
  - Integrated with a web application for seamless detection through license plate recognition.

CERTIFICATIONS

- IBM Data Science Professional Certificate – Coursera – Jun 2025
- Data Analytics Essentials – Cisco Networking Academy – Mar 2025
- Python for Data Science – NPTEL (IIT) – Feb 2024