Advaith Rakshan

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Education

SRMIST Chennai, TN
Bachelor of Computer Science Engineering CGPA: 9.1 *Aug. 2022 – May 2026*

Experience

Data Analyst Intern June 2024 – July 2024
Plexos(Now Gridleaf) *USA*

- Analyzed large datasets using Python libraries (Pandas, Matplotlib), uncovering key insights and creating interactive visual reports to support business decisions.
- Partnered with analysts and developers to integrate real-time data processing pipelines into the company's website, enhancing operational efficiency by 70%.
- Contributed to data pipeline deployment by performing rigorous data cleaning and preprocessing, ensuring high-quality and reliable inputs for analysis.

Projects

Pharmacy Management System | *Java, Sql, Jdk* June 2023 – August 2023

- Developed a full-stack application in a team using Apache system and sql as the backend
- Improved record keeping time from manual mode by 75 percent
- Processed and managed **200+ prescription records daily**, ensuring **99% data accuracy**.
- Implemented **automated inventory tracking**, reducing stock discrepancies by **30%** and minimizing financial losses.

Travel Planning Application | *Python, Vercel* January 2025 – May 2025

- Created a Travel Planning web application using Javascript css and html
- Optimized **loading speed by 40%** by implementing lazy loading and efficient asset management.
- Hosted the application using vercel and Integrated **AI Chatbot itenary generation and recommendation** , increasing user engagement by **35%**.

Brain Tumour Classificaiton— Python, Pandas August 2024 - December 2024

- Made a Brain Tumour classification application using Machine learning and Deep learning
- Trained a machine learning model using Random Forest, SVM, and CNN, achieving 92 percent classification accuracy on a dataset of 1,000+ MRI scans.
- Optimized feature extraction and preprocessing by implementing image segmentation and PCA, reducing model training time by 40 percent while maintaining high precision.

CERTIFICATIONS

- NPTEL : Introduction to Machine Learning
- Coursera : Python for Data Science, AI and Development
- Coursera : Introduction to Cloud Computing

Technical Skills

Languages: Java, Python, C/C++, SQL , JavaScript, HTML/CSS
Frameworks: React, Node.js, Flask
Developer Tools: Git, VS Code, Visual Studio, Apache
Libraries: pandas, NumPy, Matplotlib