Alan David

+1 (470) 232-4358 — Atlanta , GA
alandavid004@gmail.com — GitHub: alan8320 — LinkedIn: alan-david8320 — Portfolio: Personal Website

Summary

Aspiring Data Scientist with 2+ years of strong analytical and machine learning skills, seeking to leverage expertise in data analysis and model building for impactful business solutions.

Education

Master of Science in Data Science **4.0/4.0 GPA**
Georgia State University (GSU) Aug 2024 - Dec 2025
Relevant Coursework: Python, SQL, Data Mining, Data Visualization, Machine Learning, Deep Learning

Skills

Programming: Python, SQL
Data Analysis: Power BI, Excel, Tableau, Pandas, Numpy, Matplotlib, Seaborn
Statistics: Hypothesis Testing, Statistical Tests
Machine Learning: Regression , Classification , Ensemble Methods , Clustering
Deep Learning: Neural Networks, CNNs, RNNs
Database: MySQL, Snowflake, MS SQL Server

Technical Experience

Graduate Research Assistant Atlanta,GA
Georgia State University Aug 2024 – Present

- Utilized advanced **statistical and machine learning techniques** to analyze and model large datasets, providing actionable insights.
- Developed scalable and efficient data pipelines to ingest, process, and transform large volumes of data.

Data Analyst Chennai,TN
Caterpillar Mar 2022 – Jan 2024

- Utilized **Snowflake** and **SQL** to manage and process large datasets.
- Developed and optimized data connections with **Tableau** to create detailed and visually compelling reports.
- Leveraged **Python** for comprehensive data analysis, generating statistically significant insights and actionable results for stakeholders.
- Delivered critical insights to the business team through statistical analysis, leading to a **25%** improvement in decision-making efficiency and a **15%** increase in operational productivity.

Data Analyst Intern Chennai,TN
Stellantis (Groupe PSA) Feb 2021 – May 2021

- Significantly decreased SQL query response time by **46%** through **non-clustered indexing**.
- Developed sales and after-sales reports and dashboards using poerBI to help stakeholders make data driven decisions,contributing to a **27%** reduction in decision making time.

Projects

Predicting Vehicle Insurance

- **Objective:** Developed a predictive model to determine the likelihood of existing health insurance customers signing up for vehicle insurance.
- **Outcome:** Achieved a **recall score of 0.97**.

Microsoft Malware Detection

- **Objective:** Created a malware detection system using machine learning techniques to identify and classify malicious software with high Precision.
- **Outcome:** Achieved a **True Positive Rate of 0.89**.

Publications Link

Pon Rahul M, Rishi Shree S, Alan David S, Nischal R, "Manipulation of SIXAXIS Sensors for Interacting with Co-Existing Physical and Digital Entities in Mixed Reality", *International Journal of Applied Engineering Research*