

Alan David S

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Data Analyst

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Aspiring Data Scientist with Proven analytical experience in executing operational and data driven solution for the analytics team. Currently working as a Data Analyst at Caterpillar with a vision to solve complex business problems.

SKILLS

Programming	Python
Data Analysis	Power BI, Microsoft Power Automate, Excel, Tableau, Pandas, Numpy, Matplotlib, Seaborn
Statistics	Hypothesis Testing, Statistical Tests
Machine Learning	Regression (Linear Regression), Classification (Decision Tree, Random Forest, KNN, Logistic Regression), Ensemble Methods (Bagging, Boosting, Stacking), Clustering (k-means, agglomerative), PCA
Database	MySQL, Snowflake, MS SQL Server

PROJECTS

Predicting Vehicle Insurance (Capstone Project)

- **Objective:** An insurance company that has provided Health Insurance to its customers now they need to find whether the customers will be interested in availing vehicle insurance provided by the company. Analysis is done and a classification model is built using the past data having features related to customers information.
- **Outcome:** The data has been analyzed, pre-processed and the model has been built with the recall score of 0.97.
- **Key skills:** Python, NumPy, pandas, Seaborn, Matplotlib, sklearn

Supplier Risk Prediction

- **Objective:** To Classify and predict whether a given supplier is painful or not
- **Outcome:** Built a classification model which predicts if a given supplier is painful or not with an accuracy score of 0.83
- **Key skills:** Python, NumPy, Pandas, Machine learning, Feature Engineering, Statistics

TECHNICAL EXPERIENCE

Data Analyst <i>Caterpillar</i>	Mar 2022 — Present <i>Chennai</i>
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- Building end-to-end analytical solutions for the supply chain team with commercial and open source tech stacks.
- Analyzed data and performed statistical modeling to identify bottlenecks in the supply chain network and implemented solutions to optimize the Supply Chain workflow.
- Implemented machine learning algorithms to automate logistics optimization, resulting in reduction in costs and lead times.

Data Analyst Intern <i>Stellantis</i>	Feb 2021 — May 2021 <i>Chennai</i>
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- Worked on developing dashboards using Power BI for the stakeholders.
- Performed Data Cleaning and interpreted information from the data using Python and Statistical Tools.

PUBLICATIONS

Journal Publications

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 ISSN 0973-4562 Vol.14, Number.5, pp.58-65, 2019.

EDUCATION

Bachelors in Mechanical Engineering , Loyola ICAM college of engineering and technology, Chennai	AUG 2021
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Higher Secondary , Amala. Matric Hr. Sec. school	MAY 2017
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HACKATHONS / CERTIFICATIONS

Finalist of Start-up Mania 4.0, organized by Kongu Engineering College, Erode

Earned Best Paper Award for presenting a paper on Mixed reality.

Post Graduate Certification in Data Science Sep 21 - Mar 22