

ABINAYA GANESH

DATA SCIENTIST

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SUMMARY

A highly motivated and committed data enthusiast holding certifications in Advanced Programming Professional and Master Data Science from the Ed-tech company GUVI, incubated by IIT-M. Actively seeking an opportunity to apply my skills in data analysis, machine learning, SQL, and Python as a data scientist. I am enthusiastic about utilizing my expertise to contribute to both the company's advancement and my personal growth.

EDUCATION

IIT-M Advanced Programming Professional and Master Data Science

Feb 2024 - July 2024

Guvi Geek Network Pvt. Ltd., Chennai

B.E. Civil Engineering

June 2012 - May 2016

PSG College of Technology, Coimbatore

CGPA : 9.0

Best Outgoing Student of Civil Engineering Department

SKILLS

Python, SQL, Pandas, Machine Learning, Scikit-learn, Pytorch, Matplotlib, Seaborn, Power BI, Streamlit

PROJECTS

Singapore Resale Flat Price Prediction

- The aim of the project is to build a regression model that predicts the resale price of flats in Singapore Market
- Collected data from Singapore Housing and Development board website, preprocessed and analyzed the data while performing EDA. Extracted relevant features (feature engineering) from the dataset to enhance prediction. Compared several regression models' evaluation metrics and selected the one with highest accuracy to predict the price
- Built a Streamlit frontend app where user can provide necessary inputs and get the predicted price
- Achieved an **accuracy of 97.5%** with the built machine learning model

Industrial Copper Modelling

- The objective of the project is to build a robust machine learning model to predict the selling price of copper and a classification model to predict the status of potential leads
- Performed Exploratory Data Analysis on the data provided after preprocessing and analysis. Incorporated Grid Search CV to select the best hyperparameters for the models.
- Handled class imbalance classification dataset which I resampled and used it to achieve an **accuracy of 97%** with the built model
- Built a Streamlit frontend app where user has to provide necessary inputs and get the predicted price and status

Airbnb Data Analysis and Visualization

- The project aims to analyze Airbnb data and create a Power BI Dashboard to gain insights on location-based pricing variations
- Selected the relevant features for analysis from the huge number of **140 features** present in the dataset. Cleaned and pre-processed the data
- Created a Streamlit app to search the property listing as per the location and provided a Geo visualization of the property listings
- Built a comprehensive dashboard using Power BI, combining various visualizations to present key insights from the analysis.

WORK EXPERIENCE

Associate Software Engineer

July 2016 - Sep 2017

Accenture Solutions Pvt. Ltd., Chennai

- Worked in **SAP - Sales and Distribution** technology with greater understanding of Order to Cash (OTC) processes
- Performed Quality Assurance Testing by selecting and evaluating the necessary test cases every test cycle
- Integrated SD module with MM, SVC and FI SAP modules
- Was selected as **one out of the two people**, to provide a week's support to Infosys Ltd, employees during Project handover