

MIDHUN KURIAN

✉ midhunkurian1310@gmail.com ☎ 9746761297 [in www.linkedin.com/in/ midhunkurian1310](https://www.linkedin.com/in/midhunkurian1310) 🌐 https://midhun1310.github.io/Midhun_Portfolio.github.io/

SUMMARY

Experienced Management Information System Executive at Finmet Technologies with 1 year of experience. Eager to leverage my expertise in Python, SQL, and data visualization tools to drive insights and strategies as a Data Analyst..

EXPERIENCE

Managment Information System Executive

Finmet Technologies

May 2023 - Present, Coimbatore

- Leveraged advanced Excel features to enhance data processing efficiency by 20%, automating reports and supporting strategic decisions with accurate data analysis.
- Coordinated between technical teams and utilized Figma for wireframe creation, directly contributing to the user-friendly design of the company platform with an emphasis on data functionality.
- Produced and optimized management reports, identifying business performance trends and enabling informed strategic planning through data-driven insights.

PROJECTS

Bangalore Real Estate Price Prediction Platform

real-estate-price-prediction-mk.vercel.app

- Developed a predictive model with Python and scikit-learn, employing Linear Regression to forecast Bangalore real estate prices, achieving an 85% accuracy rate after hyperparameter tuning with GridSearchCV.
- Utilized pandas for data manipulation, preprocessing, and converting categorical variables into numeric format using pandas dummies, enhancing model accuracy.
- Enhanced model reliability by identifying and handling outliers with scatter plots. Designed a user-friendly web application with Flask, HTML, and CSS, providing an intuitive interface for real-time price predictions.

Health Insurance Cost Prediction Model

- Conducted Exploratory Data Analysis (EDA) and Correlation Testing on customer data, identifying smoking habits and BMI as top predictors of healthcare costs.
- Implemented OneHotEncoder and StandardScaler for data transformation, normalization, enhancing model predictability.
- Developed Linear Regression model that accurately predicts healthcare expenses, Achieved a Root Mean Square Error (RMSE) of 6,000.

Data Science Job Market Analysis

- Conducted comprehensive EDA on a dataset of 600 Data Science job details using pandas, matplotlib, seaborn, plotly.
- Cleaned and prepared data ensuring accuracy and consistency for analysis. Utilized wordcloud library to visually represent prominent skills and technologies in demand.
- Identified high demand for 'Data Scientist', scarcity of entry/executive roles, and focus on senior/mid-level positions.

DIGITAL MUSIC STORE ANALYSIS USING SQL

- Conducted thorough SQL analysis of a digital music store, utilizing ORDER BY, GROUP BY, LIMIT, Joins, and aggregate functions to derive insights.
- Uncovered valuable insights into customer purchases, product categories, and sales performance.
- Applied strong data manipulation skills and derived actionable recommendations from the analysis.

SALES DATA ANALYSIS USING POWER BI

- Utilized Power Query in Power BI for the complete ETL (Extract, Transform, Load) process on sales data.
- Applied various techniques, like imputation, appending, merging, and column creation, to ensure data consistency.
- Created an user-friendly dashboard in Power BI to visualize annual sales figures with detailed monthly breakdowns by category, state, and brand. Gained practical experience in real-world data analysis and ETL procedures.

EDUCATION

Bachelor of Computer Application

Bangalore University • 2022 • 3.12

SKILLS

- **Programming & Libraries:** Python (Numpy, Pandas, Matplotlib, Seaborn, scikit-learn)
- **Web Framework:** Flask
- **Database Management:** SQL
- **Data Visualization & BI Tools:** Power BI, Tableau
- **Office Suite:** Microsoft Excel, PowerPoint

COURSEWORK

Data Analytics

Besant Technologies • 2023 • Python, SQL, Power BI, MS Excel