

# MOHANRAJ S

DATA ANALYST



## CONTACT

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📍 Salem, Tamil Nadu

## SKILLS

- Python
  - Python Library
    - NumPy
    - Pandas
    - Matplotlib
    - Seaborn
- Power BI
- SQL
- MS Excel

## LANGUAGES

- English
- Tamil



## SUMMARY

Analytically driven and detail oriented graduate with a strong foundation in statistical analysis and data visualization. Proficient in Python, SQL, and Power BI, with hands on experience in data cleaning, interpretation, and dashboard creation from personal projects. Eager to apply analytical skills to solve business challenges and contribute to data driven decision making.



## PROJECTS

### Sales Performance Analysis & Dashboard (Power BI)

- **Tools Used:** Excel, Power BI
- Developed an interactive sales dashboard to analyze performance across regions, product categories, and time periods.
- Cleaned and organized raw sales data in Excel using pivot tables and lookup functions.
- Built dynamic dashboards in Power BI showing key metrics such as total sales, profit, sales by region/category, and monthly trends.
- Identified the top 10 products contributing to 80% of total revenue (Pareto analysis).
- Recommended inventory changes to address low-performing products.

### Academic Project

#### Emotion Based Music Recommendation System

- Developed a recommendation framework that integrates wearable physiological sensors (Galvanic Skin Response & Photoplethysmography) to detect user emotions.
- Integrated emotion recognition with collaborative and content-based recommendation engines to improve music personalization accuracy.
- Designed and tested the system on data from 32 subjects, achieving high accuracy in emotion classification.
- Built a mobile application that detects mood through emojis and recommends songs accordingly.



## EDUCATION

### ANNA UNIVERSITY

2016 - 2020

Mahendra Institute of Technology, Namakkal.

Bachelor of Engineering (BE Bio Medical Engineering)

### CERTIFICATION

Certificate in Data Analytics - QSpiders, Chennai.

Certified in Data Analytics with hands-on experience using SQL, Python, Excel, and Power BI.