

MADHAVAN VIJAYAKUMAR

Aspiring Data Analyst

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EDUCATION

BE – Mechanical Engineering

Annai Maththamal Sheela
Engineering College

📅 2021 – 2024

📍 Namakkal

Diploma in Mechanical Engineering

Nachimuthu Polytechnic College

📅 2014 – 2017

📍 Pollachi

SKILLS

SOFT SKILLS

- Analytical Thinking
- Problem-Solving
- Detail-Oriented
- Team Collaboration
- Effective Communication

HARD SKILLS

- Programming Languages: Python (NumPy, Pandas)
- Data Visualization: Matplotlib, Seaborn
- Database Management: SQL
- Data Analysis Tools: Jupyter Notebooks
- Data Manipulation: Excel, Power BI, Tableau
- Statistical Analysis: Descriptive Statistics, Hypothesis Testing

About Me:

Enthusiastic and detail-oriented recent graduate with a strong foundation in data analytics, seeking a challenging role as a Data Analyst to apply analytical skills, statistical knowledge, and proficiency in data manipulation and visualization for informed decision-making.

Projects:

Project 1: Customer Segmentation Analysis

- Conducted exploratory data analysis on a customer dataset using Python.
- Utilized clustering algorithms to segment customers based on purchasing behavior.
- Presented findings through interactive visualizations using Matplotlib.

Project 2: Sales Forecasting

- Developed a predictive model to forecast sales using time-series analysis.
- Applied statistical techniques to analyze historical sales data and identify trends.
- Implemented the model in Python and presented results through Jupyter Notebooks.

Core Competencies:

- Data Collection and Extraction: Collected, cleaned, and preprocessed raw data from various sources. Extracted relevant information from databases, data warehouses, and external sources.
- Data Analysis and Exploration: Performed exploratory data analysis to identify patterns, trends, and anomalies. Used statistical techniques to analyze data and generate actionable insights.
- Data Visualization: Created meaningful visualizations using tools like Matplotlib, Seaborn, Tableau, or Power BI. Developed dashboards to communicate insights.
- Database Management and SQL: Written and optimized SQL queries for data extraction, transformation, and loading.
- Predictive Modeling: Constructed and implemented predictive models using machine learning algorithms. Assessed model performance and refined models for accuracy and reliability.
- Data Cleansing and Transformation: Cleansed and preprocessed data to ensure accuracy and completeness. Transformed raw data into a usable format for analysis and reporting.
- Problem Solving: Identified data-related issues and proactively propose solutions. Addressed data quality and consistency challenges to maintain data accuracy.
- Data-driven Decision-Making: Provided data-driven insights to support strategic decision-making.
- Continuous Learning: Stayed updated on industry trends, emerging technologies, and best practices. Engaged in ongoing professional development to enhance skills and knowledge.
- Documentation: Documented data analysis processes, methodologies, and findings.

Certifications:

Certified Data Analyst

Simplilearn and IBM

Additional Knowledge:

- Familiarity with machine learning concepts and algorithms.
- Understanding of data warehousing principles.
- Knowledge of business intelligence tools, including Power BI.