

MADHAVI K

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PROFESSIONAL SUMMARY

Aspiring **Data Analyst** with strong hands-on experience in **data cleaning, exploratory data analysis (EDA), statistical analysis, time-series analysis, and data visualization** using **Python, SQL, Pandas, NumPy, Matplotlib, Seaborn, and Plotly**. Experienced in working with **real-world datasets from Kaggle, APIs (Alpha Vantage/YFinance), scraped sources, and academic datasets**. Skilled in transforming raw data into meaningful insights and presenting findings through clear visualizations and analytical summaries to support data-driven decision-making. Seeking an entry-level **Data Analyst** role.

EDUCATION

PES University, Bengaluru

Master of Computer Applications (MCA) | Nov 2024 – Present

Relevant Coursework:

- Advanced Database Management Systems
- Machine Learning
- Software Engineering
- Data Structures and Algorithms

Christ Academy Institute for Advanced Studies, Bengaluru

Bachelor of Computer Applications (BCA) | Sept 2021 – 2024

CGPA: 8.03 / 10

TECHNICAL SKILLS

Programming & Query Languages: Python, SQL

Data Analysis Libraries: Pandas, NumPy

Data Visualization: Matplotlib, Seaborn, Plotly

Databases: MySQL, SQL Joins, Aggregations, Subqueries

Tools & Platforms: Jupyter Notebook, Git, GitHub, VS Code

Analytics Concepts: Data Cleaning, Exploratory Data Analysis (EDA), Feature Engineering, Statistical Analysis, Time-Series Analysis, Data Interpretation, Reporting & Insights

INTERNSHIP EXPERIENCE

Data Analyst Intern

GreyCampus Edutech Pvt. Ltd. (via OdinSchool) | Aug 2024 – Sept 2024

- Worked on **real-world structured datasets** to perform data cleaning, preprocessing, and validation using Python.
- Conducted **exploratory data analysis (EDA)** to identify trends, patterns, and anomalies.
- Handled missing values, duplicates, and outliers using **Pandas and NumPy**.
- Created **visualizations using Matplotlib and Seaborn** to communicate analytical findings.
- Prepared **analytical summaries and insights** to support business-oriented data interpretation.

PROJECTS

Stock Market Analytics & Decision Support System - MCA Final Project – Ongoing

- Collected and consolidated **historical stock market data** from **Kaggle CSV files and financial APIs (YFinance)**.
- Performed **data cleaning and preprocessing**, including handling missing values and date inconsistencies.
- Conducted **exploratory data analysis (EDA)** to analyze price trends, trading volume, and market movements.
- Performed **time-series analysis** to study long-term and short-term stock behavior.
- Calculated and analyzed **technical indicators** to support investment-related insights.
- Created **visual dashboards and charts** using Matplotlib, Seaborn, and Plotly to present findings clearly.

Outcome: Identified stock performance patterns and market trends to support data-driven investment decisions.

IT Stock Price Predictor

- Analyzed **historical IT sector stock data** sourced from Kaggle and financial APIs.
- Performed **EDA and statistical analysis** to identify correlations and price movement trends.
- Applied **feature engineering techniques** such as lag features and rolling averages.
- Conducted **time-series forecasting** to predict future stock prices.
- Compared **predicted vs actual prices** through visual analysis using Matplotlib and Seaborn.

Outcome: Highlighted growth trends and volatility patterns across IT sector stocks.

Laptop Price Analysis & Prediction

- Worked with a **Kaggle dataset** containing laptop specifications and pricing information.
- Cleaned and preprocessed raw data by handling missing values and outliers.
- Conducted **EDA to identify key factors influencing laptop prices** (brand, RAM, storage, processor).
- Performed **statistical analysis and feature engineering** to improve prediction accuracy.
- Created interactive and static visualizations using **Seaborn and Plotly** to present insights.

Outcome: Identified major drivers affecting laptop pricing and market positioning.

Job Seeker Analytics System

- Analyzed recruitment datasets sourced from **academic datasets, scraped data, and OdinSchool datasets**.
- Performed **data cleaning, grouping, and aggregation** for structured analysis.
- Conducted **EDA to analyze job roles, skill demand, and location-based hiring trends**.
- Used **SQL queries** to extract and summarize recruitment insights.
- Visualized hiring trends using Matplotlib and Seaborn.

Outcome: Identified high-demand skills, popular job roles, and top hiring locations.

Movie Booking Data Analysis System

- Analyzed **movie booking and user interaction datasets** generated from an online booking system.
- Cleaned and structured booking data including **user details, movie selection, seat bookings, and show timings**.
- Created visualizations to represent **daily bookings, revenue trends, and user behavior patterns**.

CERTIFICATIONS & ACTIVITIES

- **Data Analyst Program** – OdinSchool (2025)
- **Generative AI Certification** – OutSkill (2025)
- **Google Cloud – Agentic AI Day** (2025)
- **Build With India Hackathon** – Participant (Google Office)
- **Mystara Hackathon** – PES University
- **Placement Coordinator** – MCA Department

ADDITIONAL INFORMATION

Strengths: Analytical thinking, problem-solving, attention to detail, data interpretation

Languages: English, Telugu, Kannada

Interests: Data analysis, business insights, analytics projects, data visualization