GOPINATH D

Data Scientist

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🔗 https://gopinathd1.github.io/Gopinath-D/ 📍 Kanchipuram, Tamil Nadu.

SUMMARY

Aspiring Data Scientist with strong analytical skills and hands-on experience in building predictive models and dashboards. Proven ability to work with real-world datasets in projects like Loan Approval Prediction and Customer Churn Analysis. Adept in Python, Power BI, and SQL to drive data-driven decision-making and business growth.

EXPERIENCE

Associate Research Executive

Zinnov 📅 10/2024 - Present 📍 Nemili, Kanchipuram

- Collected and analyzed company data using Excel and Power BI to support M&A analysis and strategic decision-making.
- Collected and organized healthcare operations data to support performance analysis and reporting in revenue cycle management.
- Delivered analytical reports and interactive dashboards using Power BI to assist business development and investment insights.

Data Science Intern

Shiash 📅 08/2024 - 10/2024 📍 Chennai

- Analyzed datasets using Python libraries like Pandas, NumPy, and Matplotlib to uncover trends and provide actionable insights.
- Collaborated with teams to clean, preprocess data, perform exploratory data analysis (EDA), and build predictive models.
- Delivered findings to stakeholders and deployed machine learning models to the web using Streamlit, enhancing business strategies.

PROJECTS

Loan Approval Prediction

- Built a machine learning model with 90% accuracy to predict loan approval status.
- Developed an interactive Streamlit app for real-time loan approval predictions, with a form-based UI that reduced manual review time by 40% and enabled faster decision-making.

Stock Price Prediction

- Implemented the ARIMA model to forecast ITC Ltd. stock prices using historical data, tuning parameters for optimal performance and achieving a prediction accuracy of 92%.
- Visualized predictions and evaluated accuracy using time series plots and error metrics, demonstrating reliable trend forecasting.

HR Workforce Analytics Dashboard using Power BI

- Built an interactive Power BI dashboard revealing 87% satisfaction in Production, top salaries in technical roles, and 12% YoY growth, enabling HR to address diversity and retention gaps.

SKILLS

Data Analysis:
Python, Pandas, NumPy, Matplotlib, Seaborn, Sklearn

Machine Learning Models:
Linear Regression, Logistic Regression, Decision Trees, Random Forest, K-Means Clustering, XGBoost, Time Series Analysis.

Database Management:
MySQL

Tools:
Power BI, Excel, MS Office, and Streamlit

Programming:
Python, C, C++, JavaScript, HTML, CSS

Soft Skill
Problem-Solving, Teamwork, Adaptability

EDUCATION

BCA in Computer Application

Sri Sankara Arts And Science College
📅 2021 - 2024 📍 Kanchipuram

CERTIFICATION

PowerBI Workshop on Office Master - October 2024

Introduction to Data Science - March 2024