Mandal Manikantan P

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OBJECTIVE

Data Scientist skilled in machine learning, data analysis, and statistical modeling. Experienced in building data-driven solutions and leveraging Python, SQL, and AI tools to solve business challenges. Seeking to drive innovation and support strategic goals in a dynamic organization.

SKILLS & TOOLS

Programming Languages: Python (Pandas, NumPy, SciPy, Scikit-learn, Matplotlib), SQL
Tools: Excel (VLookup, Conditional Formatting, Pivot Tables), Microsoft Power BI, Tableau
Technologies: Google API, Machine Learning, Git, GitHub, AI Tools (ChatGPT, Gemini, Copilot, Claude, Perplexity)
Soft Skills: Business Process Optimization, Communication, Financial Modeling, Market Research, Project Planning, Public Speaking, Storytelling, Strategy, Teamwork
Data Science: Data Cleaning, Data Preprocessing, Feature Engineering, Exploratory Data Analysis (EDA), Python Scripting, SQL and Database Management, Statistical Analysis, Machine Learning Model Optimization, Model Deployment, Hyperparameter Tuning, Data Storytelling, Data Warehousing, Data Mining

EXPERIENCE

Freightify *Sept 2021 – Jan 2022*
Digital Marketing Intern *Chennai, India*

- Analyzed market trends and consumer behavior to develop targeted marketing campaigns, resulting in a 20% increase in lead generation.
- Utilized data analytics tools to measure campaign performance and optimize strategies, improving ROI by 15%.
- Collaborated with cross-functional teams to develop and execute comprehensive digital marketing plans.

PROJECTS

Movie Search App with LLM Model | *Python, Machine Learning, NLP* *GitHub Link*

- Developed a movie search application utilizing a large language model (LLM) for natural language processing and query understanding.
- Implemented features to search, filter, and recommend movies based on user queries and preferences.
- Integrated a recommendation engine to suggest movies similar to user interests.
- Created a user-friendly interface for seamless interaction and movie discovery.

Breast Cancer Prediction | *Python, Machine Learning* *GitHub Link*

- Built a predictive model to classify breast cancer outcomes using machine learning algorithms such as Support Vector Machine (SVM) and Gradient Boosting.
- Applied data preprocessing techniques like normalization and imputation to handle missing values.
- Conducted feature selection to identify the most relevant predictors for the model.
- Created visualizations and performance metrics (ROC curves, confusion matrix) to evaluate model effectiveness and accuracy.

Industrial Copper Modeling | *Python, Machine Learning, Data Analysis* *GitHub Link*

- Built a predictive model for industrial copper prices using machine learning algorithms such as Time Series Forecasting and ARIMA.
- Implemented data cleaning and feature selection methods to improve model accuracy.
- Analyzed historical copper production and consumption data to identify trends and patterns.
- Developed visualizations to support data-driven decision-making and forecast future trends.

EDUCATION

Master Data Science Program *Oct 2023 – Mar 2024*
GUVI (in collaboration with IIT Madras) *Chennai, India*

MBA in Marketing, Logistics, and Supply-chains Management *2018 – 2020*
Saveetha University *Chennai, India*

CERTIFICATIONS

- Advanced SQL - Great Learning
- Statistical Analysis - Great Learning
- Power BI for Beginners - Simplilearn
- SQL for Data Analysis - Udacity