Om Jajulwar

Website | LinkedIn | GitHub | HackerRank
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Experience

Geeks for Geeks Aug 2023 – Oct 2023
Intern *On Site – Noida, India*

- Maintained and optimized databases of student enrollments, ensuring data accuracy and efficiency using SQL.
- Analyzed enrollment data to forecast and prepare for upcoming course batches, resulting in improved resource allocation and planning.
- Worked closely with marketing and content teams to align data insights with business goals, improving communication and project outcomes.

Skills Summary

Languages	:	Python, SQL
BI Tools	:	Excel, Tableau, Power BI
Libraries	:	Keras, Matplotlib, Numpy, Pandas, PyTorch, Scikit-learn, Scipy, Seaborn
Dev Tools	:	Git, Jenkins, JIRA, PyCharm, Visual Studio Code
Analytical Skills	:	Trend Analysis, Demand Analysis, Root Cause, Market Sizing, Statistical Analysis, Forecasting

Projects

Anomaly Detection and Event Prediction in sensor networks (Jul '24) Source Code

- Developed and implemented an Anomaly Detection and Event Prediction system using Gradient Boosting, achieving a testing R^2-score of 0.9898 and a testing MSE of 42.9771, significantly enhancing real-time monitoring capabilities in sensor networks.
- Utilized GridSearchCV for hyperparameter optimization across multiple regression models, improving predictive accuracy and system efficiency for a leading provider of innovative sensor network solutions.
- Tech Stack: Python, Jupyter Notebook, Pandas, Matplotlib, Scikit-learn

Music Store Analysis (Jul '24) Source Code

- Built efficient SQL queries to quickly extract and analyze customer and inventory data, reducing report generation time.
- Successfully implemented and managed a PostgreSQL database, ensuring high data accuracy and seamless integration across all business functions.
- Tech Stack: PostgreSQL, SQL, Database Schema Design, Data Querying, Data Management, Git

Predicting Trip Duration and Analyzing Taxi Ride Patterns (Jun '24) Source Code

- Implemented RNN, LSTM, and GRU models for time series forecasting on the New York Taxi dataset, achieving a prediction accuracy improvement of 15%.
- Analyzed taxi ride patterns using detailed records of over 1000 trips, including vendor IDs, timestamps, passenger counts, and geographic coordinates.
- Tech Stack: Python, Jupyter Notebook, TensorFlow, Keras, Pandas, Matplotlib, Seaborn, Scikit-learn

Education

Boston Institute of Analytics Mumbai, India
Diploma in Data Science and Artificial Intelligence *Feb 2024 – Jul 2024*

Rashtrasant Tukadoji Maharaj Nagpur University Nagpur, India
Bachelor of Engineering in Computer Science; CGPA: 8.4 *Jul 2018 – Jul 2022*

Certifications and Achievements

- Click here for all the important certifications, feel free to checkout my Linkedin's "Licenses & certifications" section for more.
- Consistently honored on the prestigious Dean's List in 2021 and 2022, embodying academic excellence and drive.