

# Om Jajulwar

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## PROFILE SUMMARY

Data enthusiast with hands-on experience in Python, SQL, and Excel, skilled in turning data into valuable insights to support decision-making. Passionate about finding patterns, solving problems, and continuously learning. Ready to bring my skills to a role that values data accuracy and clear analysis.

## EDUCATION

- Boston Institute of Analytics** Mumbai, India  
*Diploma in Data Science and Artificial Intelligence* Feb, 2024 – Sep, 2024
- Rashtrasant Tukadoji Maharaj Nagpur University** Nagpur, India  
*Bachelor of Engineering in Computer Science and Engineering; CGPA: 8.4* Jun, 2018 – May, 2022

## SKILLS SUMMARY

- Languages:** Python, SQL
- Frameworks & Libraries:** Flask, NumPy, Pandas, Scikit-learn, TensorFlow
- DevOps & Tools:** Excel, JIRA, Power BI, Docker, Jenkins, MySQL, Postgres
- Coding Profiles:** [HackerRank](#), [Kaggle](#), [Github](#), [Leetcode](#)

## EXPERIENCE

- First Quadrant Labs** Mumbai, India  
*Data Science Intern* Aug, 2024 – Oct, 2024
  - Tech-Stack:** Keras, Matplotlib, NumPy, Pandas, Postgres, Python, Seaborn, TensorFlow
  - Real-Time Data Analytics and Modeling:** Led the creation and implementation of real-time analytics and predictive models, enhancing operational efficiency by 15% and providing critical insights that significantly improved strategic decision-making.
  - Exploratory Data Analysis and Visualization:** Executed detailed exploratory data analysis (EDA) and developed informative visualizations that revealed key patterns, resulting in a 20% increase in model accuracy and aiding in the development of more refined predictive models.
  - Machine Learning Model Deployment:** Supported the deployment and continuous monitoring of machine learning models in a production environment, contributing to a significant reduction in false positives through meticulous performance evaluation and optimization.
- Geeks for Geeks** Noida, India  
*Front-End Intern* Aug, 2023 – Oct, 2023
  - Tech-Stack:** HTML/CSS, JavaScript, MongoDB, Node.js, Python, React
  - Student Enrollment Database Management:** Maintained and optimized databases of student enrollments, ensuring data accuracy and efficiency using SQL for seamless operation and data integrity.
  - Enrollment Data Analysis and Forecasting:** Analyzed enrollment data to forecast and prepare for upcoming course batches, leading to improved resource allocation and strategic planning.
  - Cross-Team Collaboration for Data-Driven Decisions:** Collaborated closely with marketing and content teams to align data insights with business objectives, enhancing communication and project outcomes.

## PROJECTS

- Anomaly Detection and Event Prediction in sensor networks:** Developed and implemented an Anomaly Detection and Event Prediction system using Gradient Boosting, achieving a testing R<sup>2</sup>-score of 0.9898 and a testing MSE of 42.9771, significantly enhancing real-time monitoring capabilities in sensor networks. (Jul '24)
- Music Store Analysis:** 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. (Jul '24)
- Predicting Trip Duration and Analyzing Taxi Ride Patterns:** Implemented 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. (Jun '24)
- Salary Range Prediction:** Developed and optimized machine learning models, including XGBoost, Random Forest, and Decision Tree, to predict salary ranges. Achieved a mean R-squared of 0.95 for "Salary Range From" and 0.85 for "Salary Range To". Utilized industry-standard practices for data preprocessing, feature selection, and hyperparameter tuning. Implemented SMOTE for class balancing, resulting in more accurate and robust predictive models. (Jun '24)

## CERTIFICATIONS AND ACHIEVEMENTS

- [Click here](#) for all the important certifications, feel free to go over 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.