Kumar Tare

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EDUCATION

THE GEORGE WASHINGTON UNIVERSITY, School of Business **Dec 2025**
Master of Science, Business Analytics

RAJIV GANDHI INSTITUTE OF TECHNOLOGY (Mumbai University) **Dec 2020**
Bachelor of Engineering, Instrumentation Engineering

TECHNICAL SKILLS

- **Programming Language**: Python, R
- **Database Management**: PostgreSQL, SQL Server Management Studio (SSMS), MySQL, MongoDB
- **Data Visualization**: Power BI, Tableau, Google Analytics, Microsoft Excel, Looker Studio, ZOHO Analytics, ARCGIS, SAS
- **Cloud Platform**: Azure Cloud, AWS (EC2), GCP
- **Machine Learning Models**: K-Means and Hierarchical Clustering, Linear Regression, Logistic Regression, Decision Trees, Random Forest, KNN, XGBoost, Ridge, Lasso
- **Statistical Analysis**: ANOVA, ANCOVA, ARIMA, Prophet, Hypothesis Testing, p-Value, t-Test, Chi-Square Test
- **Probability Models**: Discrete Probability Models, Continuous Probability Models, Binomial Distribution, Poisson Distribution, Geometric Distribution
- **Data Engineering**: PySpark, SQL Server Integration Services (SSIS), Azure Data Factory (ADF), Azure Databricks (ADB), SQL Server Analysis Service (SSAS), Azure Data Lake Storage (ADLS), Blob Storage, ETL (Extract Transform Load)

EXPERIENCE

OPEN SPACE SERVICES | *Data Analyst* **Aug 2023 - May 2024**
- Utilized MS SQL Server for data analysis, integrating with Microsoft Azure and Power BI leading to a 33% reduction in safety violations.
- Analyzed sales data using SQL to identify trends, boosting profit by 27% and revenue by 12% for a leading PPE company.
- Automated report generation for a healthcare company using R Markdown and R Shiny, which reduced manual reporting efforts by 60 days and improved reporting accuracy
- Optimized ad spend analysis for a digital marketing company using looker studio, GA4 and Meta API, leading to $22K annual savings.

BLUE CREST INDIA PRIVATE LIMITED | *Data Analyst* **Oct 2022 - Mar 2023**
- Designed and wireframed a real-time reporting dashboard in Tableau to track system performance metrics for 100+ globally distributed instances, enhancing monitoring efficiency and reducing instance downtime by 60%
- Created 7 complex business dashboards handling up to 600k rows, enhancing data analysis and decision-making using Power BI.
- Spearheaded multiple new data collection process using SharePoint and Power Automate

JSW PAINTS | *Junior Manager* **Dec 2020 - Sep 2021**
- Led all phases of project management, including planning, executing, monitoring, controlling, and closure.
- Reduced equipment failures by 40% through the implementation of preventive and predictive maintenance strategies.
- Managed and monitored system performance, focusing on CPU utilization, network performance, and disk space, using advanced monitoring tools to ensure optimal resource usage.

RELEVANT PROJECTS

IOWA LIQUOR SALES PERFORMANCE AND REVENUE OPTIMIZATION **Dec 2024 - Jan 2024**
- Analyzed $500M+ in sales data using SQL and Python, identifying top-performing products and seasonal trends to optimize pricing strategies.
- Developed 5+ interactive dashboards in Power BI, visualizing sales by category, region, and time, improving reporting efficiency by 40%.
- Uncovered key revenue insights, leading to a 15% reduction in negative sales transactions and improved inventory allocation strategies.

HOUSE PRICE PREDICTION **Nov 2024 - Dec 2024**
- Developed a machine learning model to predict house prices using Gradient Boosting and Random Forest.
- Implemented data preprocessing, feature engineering and hyperparameter tunning using Scikit-learn, Pandas, and NumPy, ensuring model accuracy.
- Achieved a validation RMSE of 27,897, identifying key price determinants like Overall Quality, Living Area, and Basement Size, optimizing predictive performance.

PREDICTIVE ANALYTICS FOR OPTIMIZING BIKESHARE OPERATIONS **Sep 2024 - Dec 2024**
- Analyzed weather impacts on bikeshare usage by processing 1.7M+ data points, uncovering patterns in daily pickups and drop-offs.
- Developed ML models (Linear, Ridge, LASSO, Elastic Net, KNN), with Linear Regression achieving MSEs of 58.82 (pickups) and 78.73 (drop-offs).
- Visualized demand trends and weather correlations using pair plots and scatterplots, aiding bike rebalancing optimization.
- Recommended Ridge for cost-efficiency ($90.49 avg cost) and LASSO for quality (0.3375 service level).

ADDITIONAL INFORMATION

- **Rising Star Award** | Rising star award at OPEN SPACE SERVICES