NIKITA DALVI

Los Angeles, CA | 213-272-9715 | dalvin@usc.edu | [LinkedIn](#) | [GitHub](#)

EDUCATION

University of Southern California   Los Angeles, CA
Masters in Electrical Engineering, Data Science   August 2022-May 2024
Courses: Probability and Statistics, Data Visualization, Database Systems, Machine Learning, Deep Learning, Cloud Computing

Savitribai Phule Pune University   Pune, India
Bachelor of Engineering   June 2014-June 2018
Related skills: Data Structures and Algorithms, Data Mining, Python for Machine Learning, Supply Chain Management

SKILLS

- Programming Languages: Python, SQL, R, MATLAB, JavaScript, C++, HTML, CSS
- Software: Azure, AWS, Hadoop, Spark, PySpark, Kafka, MLFlow, Docker, Google Cloud Platform
- Frameworks and Libraries: Scikit-learn, TensorFlow, PyTorch, NumPy, Pandas, Matplotlib, Seaborn, Plotly, Scipy
- Tools and Databases: Git, Tableau, Power BI, Qlikview, MySQL, PostgreSQL, MongoDB, Oracle, MS Excel, PowerPoint

EXPERIENCE

University of Southern California   Los Angeles, CA
Data Analyst   August 2024-Present

- Leveraging intellectual curiosity to delve into data, uncovering monthly crime patterns surrounding the university using statistical analysis using MS Excel and SQL
- Developing a dashboard in Power BI to monitor, and analyze vehicle patrol patterns for effective resource allocation
- Building a real-time dashboard in ArcGIS Pro to track the live geographic locations of police officers and provide summary statistics, enhancing situational awareness and operational efficiency
- Identifying problems to recommend solutions and skillfully visualized insights using Power BI for stakeholders

Semio.AI   Los Angeles, CA
Machine Learning Research Intern   June 2023-August 2023

- Developed a UNet based Transformer architecture to reconstruct lost part of image using Gen AI and collaborated with CV team to integrate YOLO v5 based object detection system yielding accuracy up to 89% against baseline model achieving 72% accuracy
- Deployed trained image inpainting and object detection model leveraging Google Cloud's Vertex AI Platform, ensuring seamless deployment and scalability

Baker Hughes   India
Project Engineer   July 2018-August 2020

- Collaborated with cross-functional teams to migrate a legacy Oracle based ERP system to SAP, reducing data discrepancies
- Identified gaps during system transition, implementing custom SAP solutions to ensure seamless data integration
- Worked closely with warehouse managers, IT teams, and procurement to align SAP workflows with business needs
- Monitored inventory and order fulfillment using SAP Materials ERP, ensuring a 95% on-time delivery rate
- Awarded with "Letter of Appreciation for Extraordinary Contribution" for maximizing quarterly revenue by $300K

ACADEMIC PROJECTS

Inventory Management and Optimization | Data Analysis, SQL, Power BI   Los Angeles, CA

- Designed and developed interactive Power BI dashboards to visualize key supply chain KPIs, including inventory turnover, order accuracy, and stockout rates
- Performed risk assessments to identify potential disruptions and proposed actionable strategy to mitigate supply chain risks
- Provided data-driven insights to optimize inventory levels, reduce costs, and improve decision-making processes for stakeholders

Customer Churn Rate Analysis | Data Analysis, SQL, Power BI   Los Angeles, CA

- Utilized advanced data cleaning techniques and thorough exploration to reveal correlations among attributes within a vast customer dataset
- Employed data visualization tools and crafted dashboards in Power BI to provide actionable insights into consumer behavior
- Calculated business risk through the analysis of key performance indicators (KPIs) and effectively communicated findings to both technical and non-technical stakeholders