

Arman Shahriari

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San Diego, CA | (858-733-1699) | Work authorization: U.S. Citizen

Work Summary

A Recent Computer Science graduate skilled in data analysis, visualization, and software engineering. Proficient in Python, SQL, Tableau, and statistical analysis to extract insights from complex datasets. Experienced in creating data-driven applications and impactful visualizations for business decisions.

Technical Skills

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|-----------|----------|----------------|--------------|--------------|-------|----------------|
| • Java | • Python | • SQL | • C# | • C++ | • CSS | • HTML5 |
| • MYSQL | • MYSQL | • SQL Server | • Tableau | • Matplotlib | • UML | • TensorFlow |
| • PyCharm | • Jira | • Scikit-learn | • Confluence | • REST APIs | • Git | • Google Cloud |

Education

Master of Science: Computer Science

May 2024

San Diego State University - San Diego, CA, GPA: 3.84

Bachelor of Science: Computer Science

University of California San Diego (UCSD) - La Jolla, CA, GPA: 3.51

Work Experience

Software Engineer Intern — Lytx, Inc — San Diego, CA

June 2022 - August 2022

- Developed a C# service to identify and address discrepancies in Electronic Logging Device (ELD) configurations across vehicle fleets, improving data consistency. Technologies used: C#, Microsoft SQL server, .Net framework, JavaScript, CSS, HTML.
- Analyzed and processed large datasets using SQL, ensuring data accuracy for reporting and decision-making.
- Automated data monitoring to detect errors, reducing manual workload with efficient algorithms.
- Delivered insights to stakeholders through dashboards and reports, highlighting trends and minor anomalies.
- Collaborated with teams to define data requirements and establish a scalable framework for ongoing analysis.

Projects

- **Sales and Profit Analysis Dashboard - Self-Initiated Project (Superstore Dataset)**
 - Built a Tableau dashboard to analyze \$733K sales, \$93K profit, and customer trends by region and category.
 - Defined metrics such as Repeat Customers, Average Order Value, and Return Rate for actionable insights.
 - Used line graphs, bar charts, and Pareto analysis to reveal 49% of customers driving 80% of sales.
 - Enhanced stakeholder decision-making with geographical mapping of state-level performance.
- **StockWatch+:** Implemented StockWatch+, a financial tracking application that alerts users to price fluctuations and updates them with the latest stock-related news twice daily.
- Designed and implemented a dynamic user interface using React and Bootstrap, while developing the backend in Java with Spring Boot to integrate real-time financial data APIs for enhanced stock management.
- Implemented robust security protocols using Spring Security and managed user data within a MySQL database to ensure reliability and secure user interactions.