

AISHA NUR

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Summary

Computer Science student with a Minor in Data Analytics, experienced in SQL, Python, Tableau, Excel, and Salesforce. Skilled in database design, data cleaning, visualization, and reporting, with a Data Science Certificate in progress (Expected 2026).

Skills

Web Development & Programming: JavaScript, HTML, CSS, Bootstrap, Node.js, Express.js, RESTful APIs, JSON, Java (OOP), Python, Git/GitHub (branching, pull requests), jQuery, AJAX, JavaFX, file handling, object serialization

Architecture & Design: MVC pattern, Factory & Memento design patterns, Agile development (sprints, standups), unit testing (JUnit), debugging, frontend-backend integration, CRUD application development

Cloud & Tools: Google Cloud Platform (VMs, deployment, firewall), MongoDB, phpMyAdmin, Salesforce (Flows, reports), Visual Studio Code, IntelliJ IDEA, Thunder Client, Draw.io

Soft Skills: Detail-oriented, problem-solving, team collaboration, written and verbal communication

Education

University of Washington

Bachelors in computer science – Minor in Data Analytics

Sep 2024- May 2026

Achievements: GPA [3.9]

Highline College

Associates in Computer Science

Achievements: GPA [3.8]

Sep 2022 - June 2024

Projects

FIUTS (Foundation for International Understanding Through Students)

Seattle, WA

Database Assistant

Aug 2024 - Present

- Designed a SQL-based raffle tracking system using MySQL to capture engagement across events, donations, and leadership roles improving targeting by 25%.
- Analyzed engagement trends using Tableau, enabling the team to prioritize outreach and tailor programming based on behavior patterns, not just one-time interactions.
- Solved a data loss issue by creating a Salesforce Flow that appends text to Long Text Area fields instead of overwriting thus improving data accuracy and historical traceability.
- Leveraged Excel for data cleaning and transformation using VLOOKUP, ensuring accurate and structured data feeding into reports.

Projects

Student Engagement Database System

- Built and deployed a full-stack web app (TicketTrack) using Node.js, MySQL, and GCP to track student engagement, with interactive HTML pages, dynamic queries, and secure ticket transfer via SQL transactions. Designed a fully normalized database (BCNF) with ER diagrams, implemented both JSON and HTML response patterns, and modeled insights inspired by Salesforce reporting.

Trivia Maze Game

- Built a desktop trivia game using Java, JavaFX, and MVC architecture, where users navigate a 4x4 maze by answering questions pulled from an SQLite database via JDBC, with support for multiple question types and a dynamic GUI.
- Collaborated in an Agile team using iterative development, version control, and weekly standups to implement modular components (Factory, Memento patterns).
- Implemented save/load functionality using Java serialization, integrated audio feedback, cheat features, and modular design patterns (Factory, Memento), resulting in a scalable, testable codebase aligned with software engineering best practices.

TicketTrack CRUD Web App

- Built a full-stack CRUD application to manage event ticket buyers using HTML, Bootstrap, Node.js, Express, and MySQL. Implemented RESTful API endpoints for creating, viewing, updating, and deleting buyer records. Data is stored in both MySQL via phpMyAdmin and MongoDB and handled with JSON responses for dynamic interaction through a responsive frontend.