

Mehreen Naseer

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EDUCATION

University of Alberta

Bachelor of Science in Software Engineering

Edmonton, AB

Sep. 2020 – June 2025

PROJECTS

Cloud Resume Challenge - AWS | *HTML/CSS, AWS Services, JavaScript, DynamoDB, Lambda, Python, Git, Hashnode*

- Created an HTML-based resume hosted on Amazon S3, with CSS for styling and CloudFront for HTTPS access.
- Configured custom DNS domain through Amazon Route 53 for a personalized resume URL.
- Implemented a visitor counter using JavaScript, with data stored in Amazon DynamoDB.
- Developed a serverless API using AWS API Gateway and Lambda, written in Python with the boto3 library.
- Applied Infrastructure as Code (IaC) principles using AWS SAM templates for resource management.
- Utilized GitHub for source control, enabling CI/CD pipelines with GitHub Actions.

Command-Line Twitter Clone | *SQLite, SQL, Python, Git, VSCode*

- Developed a command-line social media application, akin to Twitter, using Python, focusing on back end functionalities and data handling.
- Designed and managed a relational database using SQLite, enabling efficient data storage and retrieval.
- Crafted complex SQL queries for data manipulation and retrieval, simulating key features of social media platforms such as posting and reading updates.
- Implemented user interaction capabilities for inserting and retrieving data, ensuring a smooth and intuitive user experience in a command-line environment.
- Emphasized on data integrity and efficient data storage mechanisms, adhering to best practices in database design and management.

Budget Tracker Android App | *Java, Android Studio, UML, Git, Junit, Agile SDLC*

- Spearheaded the development of a budget tracking application using Android Studio, integrating both Java and Kotlin for a diverse coding experience.
- Initiated the project with thorough UML planning, setting a strong foundation for application architecture and functionality.
- Adopted Agile methodologies throughout the SDLC, ensuring flexible and adaptive project management and timely delivery of features.
- Implemented Git for version control, facilitating effective team collaboration and maintaining code integrity and organization.
- Conducted unit testing using JUnit to ensure smooth operation and reliability of the app.

EXPERIENCE

PowerBI Engineering Intern

Ontario Power Generation

January 2023 – August 2023

Bowmanville, Ontario

- Utilized Power BI to create and manage dynamic dashboards, synthesizing data for team meetings and decision-making.
- Developed SQL queries for data extraction and compilation from a company-wide database, facilitating critical information analysis.
- Conducted needs analysis with various departments to customize dashboards, meeting diverse organizational needs.
- Facilitated monthly department meetings to ensure projects were progressing smoothly and adhering to set timelines.
- Used Power Automate to streamline and automate workflow processes, enhancing data management and operational efficiency.

LEADERSHIP EXPERIENCE

Executive Team Member

September 2017 – June 2020

Key Club, Jasper Place Highschool

Edmonton, Alberta

- Led and guided a team of students in planning and executing a series of student-run events, demonstrating strong leadership and organizational skills.
- Exhibited excellent interpersonal and communication skills, both verbal and written, essential in coordinating activities and engaging with diverse groups of students.
- Applied creative and analytical thinking to develop innovative event concepts and solve complex logistical challenges in a dynamic, fast-paced environment.
- Managed multiple event timelines simultaneously, ensuring all projects were completed efficiently and met high standards of quality.
- Utilized MS Office tools extensively for event planning, documentation, and communication, enhancing organizational efficiency and team collaboration.

TECHNICAL SKILLS

Languages: Java, Python, SQL, C/C++, HTML/CSS, Dart

Frameworks: Flutter, React, JUnit, Spotify API

Developer Tools: Android Studio, Vim, MongoDB, Power BI, Power Automate, Visio, Git, VS Code

Libraries: React.js, NumPy

Other Skills: UML, MS Office, Automated Unit Testing

ADDITIONAL INFORMATION

Class 5 GDL clean abstract and reliable vehicle

Languages: English (Fluent), Urdu (Intermediate), Arabic (Basic).

Willing to relocate

References available upon request.