SHAYYAN ASIM

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Education

University of Calgary   **September 2021 – Current**
Bachelor of Science in Software Engineering   *Calgary, Canada*

Experience

Qatar Mobility Innovations Center (QMIC)   **August 2023 – September 2023**
Software Engineering Intern   *Doha, Qatar*

- Quality Assurance Testing: Conducted comprehensive quality assurance testing of the "Wain" application, ensuring its functionality and performance met established standards.
- Test Planning: Collaborated with the development team to create test plans and strategies, identifying key testing objectives and areas to focus on.
- Regression Testing: Performed rigorous regression testing to identify and document software defects, ensuring the application's stability and reliability across various versions.
- Bug Reporting: Recorded and reported software defects using Jira, collaborating with the development team to prioritize and resolve issues in a timely manner.

Lava Grill   **February 2023 – June 2023**
Cashier   *Calgary, Canada*

- Operated cash register and accurately processed payments, returns and exchanges.
- Assisted with training and mentoring new team members.
- Handled customer complaints and inquiries in a courteous and efficient manner.

Projects

My Personal Website | *React, JavaScript, HTML, CSS, EmailJS*   **August 2023**

- URL: shayyanasim.netlify.app/

Schedule Generation Application (Java GUI) | *Java, HTML*   **March 2023**

- Utilized object-oriented programming principles to create a modular and maintainable codebase, enabling future enhancements and updates.
- Collaborated with team members to gather user requirements and conducted user testing to gather feedback for iterative improvements.
- Implemented input validation and error handling mechanisms to ensure data accuracy and prevent application crashes

Obituary Website with Text to Speech Generation | *React, JavaScript, HTML, CSS, AWS, Cloudinary*   **April 2023**

- Developed a dynamic React-based front end enabling users to input obituaries and receive text-based information, including pictures, with the ChatGPT API integration.
- Utilized Amazon Web Services (AWS) for the backend, incorporating DynamoDB for efficient data storage, Cloudinary for image storage and retrieval, and AWS Step Functions to automate Lambda functions, ensuring a scalable and robust architecture.
- Designed an intuitive user interface for a seamless user experience, offering a visually appealing and responsive web application.
- URL: obituarygeneratorproject.netlify.app/

Lotion Like Notion - Notes Taking Application | *React, JavaScript, HTML, CSS, AWS*   **February 2023**

- Designed, developed, and deployed a feature-rich Notes Taking Application called "Notion" using React, providing users with a versatile and intuitive platform for organizing and managing their notes.
- URL: shayyan-mohamad-lotion-plus.netlify.app

Data Analysis and Visualization Tool | *Python*   **December 2021**

- Leveraged NumPy for efficient data manipulation, enabling seamless calculations and transformations of data arrays, and integrated Matplotlib to create interactive and informative data visualizations.
- Created a population density plot feature using Matplotlib that allows users to visualize population trends over multiple years for a user-specified country, providing insights into demographic changes.

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS, JavaScript, React
Developer Tools: VS Code, Eclipse, MPLAB, Oracle VM Virtual Box
Technologies/Frameworks: GitHub, JUnit, Jira

Leadership / Extracurricular

Engineering Leadership Program   **September 2021 – Present**
University of Calgary

- Actively engaged in an advanced professional skills development program, equipping me with essential tools and competencies crucial for success in the engineering workforce upon graduation.
- Successfully completed the Tier 1 Badge, a tangible demonstration of my commitment to and achievement within the program. The badge signifies my dedication to enhancing my leadership and professional skills.