Syed Farhan Ahmed

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Education

University of Calgary   Spring 2024

BACHELOR OF SCIENCE IN COMPUTER SCIENCE with Science Internship Designation

- *Activities*: Science Mentorship Program, Computer Science Undergraduate Society (CSUS)
- *Relevant Coursework*: Data Structures and Algorithms, Computing Machinery 1 and 2, Human-computer Interaction, Computer Networking, Principles of Operating Systems, Information theory and security

Experience

GORDIAN   September 2021 – April 2022

SOFTWARE DEVELOPER INTERN

- Developed and maintained a primary application processing 30 million USD annual data and achieved a 46% code reduction through refactoring.
- Implemented data analytics features using Python a utilized NLP for data preprocessing in ongoing projects on average 4000-5000 rows of data.
- Developed and demonstrated a Python proof-of-concept product and communicated new features in stakeholder meetings.
- Utilized Natural Language Processing (NLP) to preprocess data for ongoing projects and streamlined product documentation concerning both future developers and users.

UNIVERSITY OF CALGARY HCI LAB

UNDERGRADUATE RESEARCHER   December 2023 - Present

Projects

CITYSCAPE EATS & WEATHER | *React, Tailwind CSS, Rapid API*

- Developed a web application that allows users to search cities and view the latest weather updates and nearby restaurants.
- Integrated the application with third-party services and APIs for restaurant and weather data.
- Implemented a dynamic background imagery feature that seamlessly adapts to various cities.
- Improved application aesthetics and UX with search function, reload icons, navigation, and imagery to provide a rich user-centric experience.

MAD MINUTE COMPOUNDS | *JavaScript, HTML, CSS, Glitch*

- Collaborated with a team of 4 to sketch and develop a user-friendly children's application.
- Led ideation and development of the application demo, received 100% positive feedback on novelty and user-experience.
- Implemented a key feature to track count of successfully chemical compound combinations with reset feature.

REVIEWSCORE+ | *Spring boot, Java*

- Developed a RESTful API that leverages user reviews to build confidence for tech YouTube channels.
- Employed Python automation to generate an accurate JSON data pipeline of tech review YouTube channels.
- Integrated Natural Language Processing (NLP) API to compute a sentiment value for each user review generated.
- Implemented background task to calculate each channels overall confidence measure periodically.

BULKBUDDIES | *Figma, Flask, dB SQLite, Python, Tailwind CSS*

- Collaborated with a team of 4 to come up with an effective solution to reduce food waste from bulk grocery purchases in 24 hours.
- Contributed with the development of a core feature called "Catalog" that handles user reservation of food items with interactive user-interface and integrated Front end with back-end API.

Skills

Languages:	HTML/CSS, Python, Java, C/C++, C#, JavaScript, Go lang, PHP
Technologies:	Tailwind CSS, Material UI, React, Node, Django, Spring boot, Figma
Developer Tools:	Vite, Git, Visual Studio, Vercel, AWS Lambda, Azure, GitHub, Snowflake, Glitch, WordPress