SYED FARHAN AHMED

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Skills

- C | C++ | HTML/CSS | Dart | C# | MySQL | Java | Python | Tailwind CSS | JavaScript | Haskell | Bootstrap | Linux | jQuery
- Node | Express | MongoDB | PHP | Spring boot | Docker | Django | Azure | AWS | Unit Testing | React | Git | Blazor
- RESTful APIs | Agile/Scrum | Front-end | UI/UX | Full-Stack | Figma | Adobe Lightroom | Data Science | NoSQL | Assembly

Experience

Software Developer Intern   **Gordian**   Remote, Calgary, AB   09/2021 – 04/2022

- **Single-handedly developed** the primary product that effectively processed data worth **30 million USD** annually
- Utilized **Python** to refactor source code, resulting in enhanced **scalability** and **improved design**
- Developed a **proof-of-concept** product in **Python** using **pandas library**, **optimized** processing with **efficient data structure**
- **Presented and communicated** new features in stakeholder meetings
- Produced **technical and user documentation** for the contributed features and maintained **version control** using **Azure**

Education

Bachelor of Science   **University of Calgary**   Calgary, AB 09/2018-06/2024

- Major in Computer Science with **Science Internship Designation**

Projects

NEXTCITY | Github, **Live Demo**

- Designed and implemented a location specific weather application utilizing **React, Tailwind CSS and multiple API integrations** to provide accurate and localized weather forecasts for **user**
- Conceptualized and constructed a **user-friendly city search functionality** enabling users to effortlessly explore nearby restaurants by integrating geocoding services
- Added a **dynamic background imagery** feature that adjusts to different cities, enhancing the visual appeal of the application and providing a user-centric experience

REVIEWSCORE+ | Github

- Creating a comprehensive full-stack web application with **Java, Spring Boot, React, and MongoDB**, leveraging user reviews to enhance the **credibility** of YouTube channels focused on product reviews
- Utilized **Python automation** and the YouTube API to establish an accurate **JSON data pipeline** for tech product channels
- Integrated a **Natural Language Processing (NLP) API** to analyze the sentiment values of individual user reviews
- Implemented an **asynchronous task** function to **periodically compute confidence** measures for each channel, effectively minimizing **API latency**

AIRCRAFTS MANAGEMENT | Github

- Leveraged the **Go programming language** to craft a robust **RESTful API** that encompasses endpoints for efficient aircraft detail management, seamlessly integrated with a **MySQL database**

TICTACTOE GAME | Github

- Created an engaging Windows CLI game of noughts & crosses, utilizing the **C programming language**. Implemented **the Minimax algorithm** to power the computer player's decisions and optimized tree evaluation using **alpha-beta pruning** for enhanced performance

LOST PET FINDER | Github

- Collaborated with a team of 4 members to conceptualize, design, and **build a complete MERN stack** web application aimed at **boosting social engagement** and aiding in the search for lost pets
- Applied **sprint planning and agile methodology** to optimize team productivity. Implemented **JWT** authentication within React, including login and logout features. Employed Material UI to create a polished and contemporary user authentication experience

Others

- Cambridge Advanced Level (Certification) | University Film Photgraphy & Car club | Upwork Freelance with a 100% success
- Retail/Barista work experience