Syed Farhan Ahmed

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Education

University of Calgary   **June 2024**
Bachelor of Science, Computer Science   Calgary, Alberta
Coursework: Data Structures and Algorithms, Software Engineering, UI/UX, Algorithms and Analysis, Computer Networks, Operating System, Information Theory and Security, Discrete Mathematics, Linear Algebra

Skills

Languages:	C++, Java, Go, JavaScript, Python, SQL, C#, C, PHP, HTML/CSS, Haskell, Assembly
Technologies:	Figma, Pandas, Django, Blazor, Flutter, React, Node.js, Express, Tailwind CSS, Git, MongoDB, MySQL, Azure, AWS, Postman, GraphQL, Insomnia, WordPress, C-Panel, Vercel, Git, MySQL Workbench, RESTful API
Others:	MS Office, Adobe Lightroom, Unix OS, Visual Studio, Pandas, PyCharm

Experience

The Gordian Group Inc.   **September 2021 – April 2022**
Software Developer Intern (Co-op)   Remote, CA
- Utilized Python to refactor source code improving scalability, user experience and security
- Managed code source control, documentation and security using Azure devops
- Designed and developed a prototype application in python to improve data accuracy and entry. Presented and effectively communicated the core idea during program manager's meeting
- Developed multiple user features for data quality testing for stable releases
- Utilized Natural-language-processing in python to pre-process large sets of data

Upwork   **2017-2018**
Freelance
- Discussed requirements with clients thoroughly and completed projects utilizing WordPress, C-Panel/Hosting and Html/CSS. I was rehired and received 100% satisfaction feedback from clients

Projects

Traveller's Weather – *React, tailwind css, RapidAPI, Unsplash API, Vercel, Vite*   **Demo** | **Github**
- Developed and designed "Traveller's Weather," a user-friendly web application that provides comprehensive weather details for any city. The application also offers nearby recommendations for trending restaurants or attractions
- Implemented a clean and user-friendly interface styled using Tailwind CSS for a responsive and modern design
- Implemented dynamic background imagery that adapts to the user's selected city or location providing a rich user experience

Aircrafts RESTful API – *MySQL, Go, Postman*   **Github**
- Used Go for the first time to build a Restful API with MySQL database integration
- Used SQL queries for CRUD operations into the database and tested endpoints with Postman

Minimax TicTacToe – *C programming Language*   **Github**
- Built an interactive TicTacToe player vs computer game in Windows OS CLI with computer moves being generated using minimax algorithm. Optimized with alpha-beta pruning reducing node evaluation steps significantly

Pet Finder (Course Project) – *React, Mongo, Express, Node, Material UI*   **Github**
- Implemented JWT authentication for user-end in React with login and logout functionality with modern UI using Material UI
- Worked closely with team members to design and plan scope of project and run sprints