

Syed Farhan Ahmed

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Education

University of Calgary

Bachelor of Science, Computer Science

June 2024

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

Experience

The Gordian Group Inc.

Software Developer Intern (Co-op)

September 2021 – April 2022

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 process. Presented and effectively communicated the core idea during program manager's meeting
- Using pandas library implemented new features for optimizing data quality
- 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 with dynamic background imagery that adapts to searched location and styled using Tailwind CSS for a responsive and modern design

Portfolio Website

- Utilized React, tailwind CSS to create a portfolio website (Desktop-first).

Link

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 Windows CLI interactive computer vs player game, optimized minimax algorithm for computer with alpha-beta pruning of evaluation tree.

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

Skills

Languages: C++, Java, Go, JavaScript, Python, SQL, C#, C, Dart, PHP, HTML/CSS

Technologies: Figma, Django, Blazor, Flutter, React, Node.js, Express, Tailwind CSS, MongoDB, MySQL, Azure, AWS, Postman, GraphQL, WordPress, MySQL Workbench, RESTful API, Bootstrap

Others: MS Office, Adobe Lightroom, Unix OS, Visual Studio, PyCharm