Syed Farhan Ahmed

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EDUCATION

University of Calgary — Calgary, AB
Bachelor of Science in Computer Science with Science Internship Designation — *Sep. 2018 – May 2024*

TECHNICAL SKILLS

Languages: Python, C#, JavaScript/Typescript, Java, C/C++
Frameworks: ASP.NET React, Node.js, Flask, JUnit, Django, Spring Boot, TailwindCSS, Bootstrap
Developer Tools: Git, AWS Lambda, VS Code, Figma, Visual Studio, Rider, npm, Unix/DOS
Libraries: pandas, NumPy, D3.js

EXPERIENCE

Software Developer Intern — September 2021 – May 2022
Gordian — *Remote, Vancouver*

- Developed and managed a **Python application**, processing over **25** million USD worth of data annually.
- Refactored the codebase through effective techniques, significantly increasing the readability, scalability, and reducing technical debt of the software.
- Designed and developed custom data processing features utilizing **pandas** and **NumPy**, increasing software processing capabilities by **23%**.
- Created an internal tool to improve data integrity prior to final client-project delivery.
- Identified and resolved **17+** bugs across three stable software versions through effective testing methods, enhancing overall software stability.
- Streamlined technical and user documentation, improving the software development lifecycle and user support.

PROJECTS

Assignment Tracker | *ASP.NET (MVC), C#, Bootstrap, MS SQL Server, Docker, Git*
- Developed a full-stack web application in ASP.NET for easy assignment management.
- Implemented user authentication, and functionalities to create, delete, edit, and update the status of assignments.
- Utilized HTML/CSS and Bootstrap to design a modern and intuitive user interface.
- Used Entity Framework for MS SQL Server database operations.
- https://github.com/nkouki98/Assignment-tracker

House Data Analysis | *Tableau*
- Built a dynamic Tableau dashboard for King County Housing data analysis.
- https://public.tableau.com/app/profile/syed.farhan.ahmed8311/viz/KingCountyHousingAnalysis_17116970142860/KingCountyHouseSales?publish=yes

NotesNow | *React, Vite, TypeScript, TailiwndCSS*
- Developed a note-taking application with tag markers.
- Utilized TailwindCSS and React to design the user interface.
- Implemented a text markdown editor using React libraries.
- Hosted the frontend application on Vercel.
- https://notes-now.vercel.app/

Nextcity | *React, JavaScript, TailwindCSS*
- Developed a React-based weather application enabling users to search for any city and view comprehensive weather details along with nearby restaurants.
- Integrated Unsplash API and geocoding service to dynamically display images representing the searched city.
- Utilized Tailwind CSS to design an engaging and responsive user interface.
- https://fir-reactapp-c24f0.web.app/

Human-Computer Interaction Projects | *JavaScript, HTML/CSS, Glitch*
- Utilized sketching methods, demo prototyping and JavaScript to design and develop interactive user applications in a team of 4.
- Contributed significantly to design decisions, adhering to User Experience (UX) principles.
- https://581-projects.webflow.io/