Faizan Naseer

f.naseer@mail.utoronto.ca ❖ +1 (437) 518 0110 ❖ Toronto, ON ❖ GitHub ❖ LinkedIn ❖ Website

EDUCATION

University of Toronto **Sep. 2021 – Apr. 2025**
BSc Computer Science *Toronto, ON*

- Courses: Programming, Discrete Math, Calculus, Linear Algebra, Software Design (Java), Numerical Algorithms for Computational Mathematics, Systems Programming (C), Data Structures & Algorithms (C), Theory of Computation, Computer Organization
- Awards: UofT International Scholar Award, UofT Scholar Award, Dean's List Scholar

WORK EXPERIENCE

Silicon Fen Venture Fund **May. 2020 – Sep. 2021**
Project Manager *Dubai, UAE*

- Facilitated the development of youth-led startups by providing industry insights and mentor networking, as well as organizing entrepreneurial seminars and weekly advising sessions
- **Secured funding** from multiple schools to support student prototyping initiatives

ICC Academy **Mar. 2018 – Apr. 2018**
Research & Management Intern *Dubai, UAE*

- Conducted market research on competitor offerings and presented findings to employers, helping the company gain a competitive edge in terms of services provided
- Coordinated sport management operations, resulting in **greater productivity** and higher levels of **customer satisfaction**

PROJECTS

Audio Intellect **Aug. 2023 – Sep. 2023**

- Conceptualized and developed a dynamic web application leveraging OpenAI's **Whisper** & **GPT APIs**, specializing in tailored meeting and lecture summarizations based on user preferences
- Implemented versatile recording capabilities for meetings, lecture rooms, and voice uploads, seamlessly saving and summarizing data for future reference on a **MongoDB** Database
- Designed an intuitive frontend with **ReactJS** and **Tailwind CSS**, providing a user-friendly interface for recording management and summary display
- Engineered a robust **RESTful API** (**Express** and **Node**) to ensure efficient communication between the client and server, facilitating seamless retrieval and deletion of recordings
- Managed the deployment of the application on an **AWS EC2**-hosted Ubuntu server, emphasizing scalability and data integrity for optimal performance

Content Management System **Jun. 2023 – Jul. 2023**

- Developed a robust content management system with authorization features using json web tokens and MVC architecture principles, providing the ability to seamlessly carry out CRUD operations
- Created an engaging landing page to display created content in a protective, user-friendly manner, using **ReactJS** and **Tailwind CSS**
- Engineered a **RESTful API** with **Express and Node**, ensuring efficient communication between the client and server
- Deployed CMS on a ubuntu server using **AWS EC2** as well as stored data in **MongoDB Atlas**, to allow for increased scalability and data integrity

Degree Design **Nov. 2022 – Dec. 2022**

- Conceptualized and developed an Android app catering to student needs, enabling them to input taken and desired courses to generate a personalized degree timetable. Utilized **Android Studio**, **Java**, and **Firebase** to create a seamless user experience between the front and backend.
- Implemented admin functionality allowing authorized users to manage course information, including addition, editing, and deletion of course details such as prerequisites
- Used an **agile** methodology (**scrum**) in a group of 4 with regular stand-up meetings, and weekly sprints, assisted by the utilization of **Git** and **Jira**.

Hotel Booking App **Mar. 2023 – Apr. 2023**

- Orchestrated the development of an iOS app using **React Native** and **GraphQL**, empowering users to log in and effortlessly search for hotels based on location and family-specific requirements.
- Leveraged **AWS Amplify** for streamlined backend functionality, ensuring a robust and scalable solution for hotel searching

Huffman Encoding **Nov. 2022 – Dec. 2022**

- Engineered a Python program utilizing a lossless, greedy Huffman coding algorithm for efficient compression and decoding of user input. Integrated data structures like **heaps** and implemented **DFS** for optimal performance.

Toronto Covid Analysis **Mar. 2022 – Apr. 2022**

- Collaborated in a team of three to conduct a comprehensive analysis of COVID-19 trends using **R**, involving tasks such as **data cleaning**, **visualization** through tables and graphs, and **hypothesis testing** via linear regression.
- Played a key role in hypothesis testing and drawing final conclusions, contributing significantly to the team's analytical insights.

SKILLS

- **Languages:** C, Python, Java, R, JavaScript, TypeScript, HTML5, CSS3, Tailwind CSS
- **Frameworks & Libraries:** ReactJS, ExpressJS, NodeJS, React Native, NumPy, TipTapJS, Framer Motion, Matplotlib
- **Tools:** AWS EC2, AWS Amplify, MongoDB, GraphQL, Jira, Git, GitHub, Figma, Android Studio, Postman, Microsoft Office