Areeb Khan

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Skills

C++ **Python** **HTML5** **CSS3** **JavaScript** **Jira/Confluence** **VS Code** **GitHub/Git**

ReactJS **Bootstrap** **Jupyter Notebook** **Tensorflow** **Convolution Neural Network**

SDLC(Waterfall, Agile, Iterative)

Projects

Fruit-FAX, (Python, Tensorflow, CNN, HTML5, CSS3, Bootstrap, Javascript, ReactJS, GitHub/Git)
- Led the development of a sophisticated **CNN** model using **TensorFlow** and a Kaggle dataset in **Jupyter Notebook**. Applied CNN architecture concepts to enhance the **image recognition** feature of Fruit-FAX, enabling accurate identification of over 10+ fruits from user-taken/user-uploaded images.
- Contributed to the **frontend development** of Fruit-FAX, implementing **dynamic** interface components with **ReactJS** and achieving a **responsive** design using the **Bootstrap** framework. Enhanced user interface features to provide an intuitive and engaging experience for a diverse audience.
- Played a key role in **collaborative** development efforts on the Fruit-FAX project, utilizing **GitHub** for version control and effective communication. Coordinated with another team member to ensure **project consistency** and **agile development** practices.

Web Pokédex, (HTML5, CSS3, Javascript)
- Designed and implemented a user-friendly Pokédex website using **HTML5** and **CSS3**, ensuring a visually appealing and **responsive** user interface.
- Leveraged **JavaScript** to seamlessly integrate with the **PokéAPI**, enabling **real-time retrieval** of Pokémon data such as images, designated numbers, and statistics.
- Developed **dynamic content rendering** mechanisms using **JavaScript** to dynamically update the webpage with fetched Pokemon information, providing an **interactive** and **engaging** user experience.

Personal Web Portfolio, (HTML5, CSS3, Javascript, ReactJS)
- Developed a **dynamic** and **responsive** web portfolio using **ReactJS**, creating distinct sections for an about me page, work experiences, project showcase which link their respective **GitHub** repository, and a user-friendly email contact feature.
- Applied custom styling with **CSS** to ensure a **visually appealing** and professional design, enhancing the overall aesthetics of the portfolio. Prioritized **user experience** through thoughtful design choices, creating an **engaging presentation** of personal and professional information.

Professional Experience

Junior Service Technician, Radiation Solutions   01/2022 — 04/2022 | Mississauga, ON
- Acquired proficiency in **soldering** and **wiring** by expertly attaching and replacing components (**connectors**, **wires**, and **DC Converters**) onto **circuit boards** within Radiation Solution's products, resulting in fewer defects and improved product quality.
- **Analyzed** and **resolved** complex customer issues related to Radiation Solution's products and software, utilizing various diagnostic tools and techniques resulting in increased customer satisfaction.
- **Troubleshooted** and **repaired** the company's large-scale detection devices in ports, landfills, and other worksites inside and outside Ontario.

Education

University of Waterloo,   09/2022 — 06/2027
Candidate for Bachelor of Applied Science in Electrical Engineering

Relevant Courses: Linear Circuits, Digital Circuits, Digital Computers, and Data Structures and Algorithms