Shaf Muhammad

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Education

York University - Toronto, ON	Honours BSc. Computer Science	2022 - 2026
Software Developer	York University Robotics Society	September 2023 - Present
Software Developer	Google Developer Student Club York University	September 2022 - Present

Projects

NBA Win Predictor

- Developed a full-stack web app in **Python** to predict future NBA game winners.
- Used **Pandas** for data manipulation and integrated the **NBA API** within an Excel database for efficient organization.
- Achieved **76.7% prediction accuracy** over a beta period of 3 months.
- **Streamlit** framework for a modern UI supporting dark/light modes and displaying team logos.
- Integrating **scikit-learn** for more accurate predictions.

Taskify

- Web-based application to help users manage their tasks efficiently.
- Developed with **React** and **Vite** for a dynamic user interface and an efficient development server.
- Utilizes **JavaScript (ES6+)**, **HTML5**, and **CSS3** for robust application logic and a **responsive design** on various devices.
- Task list reliability maintained via **browser's local storage**, ensuring persistence during webpage changes or refreshes.

Student Management System

- Cross-browser compatible, **full-stack** application designed to streamline administrative tasks for educational institutions.
- Utilizes **Java with Spring Boot** for a **MVC-based**, scalable backend, ensuring smooth system operation.
- Frontend developed with **Bootstrap, HTML**, **CSS**, and **Thymeleaf** for a responsive frontend.
- Securely stores student information in a **MySQL database**, ensuring data integrity and reliability.

YouTube Clone

- Developed a YouTube UI clone using purely **HTML** and **CSS**.
- Implemented media queries for a **responsive design** across diverse devices.
- Ensured consistent user experience across various browsers with **cross-browser compatibility.**
- Incorporated smooth transition **animations**, clickable thumbnails, and tooltips for an enhanced user experience.

Work Experience

Summer Camp Counsellor (Coding)	AlHuda Elementary School	July 2023 - August 2023
Coding Teacher	Best Brains Learning Centers	May 2023 - July 2023

Certifications

- **Microsoft Certified Azure Cloud Practitioner (AZ-900)**
- Google Digital Marketing Certification
- First Aid and CPR/AED - Level C

Technical Skills

Languages/Frameworks:

Python, Java, C, Javascript, Typescript, HTML, CSS, Node.js, React.js, Bootstrap, SpringBoot, Unix/Bash, Verilog HDL, RISC-V Assembly

Other Tools:

SQL, Pandas, Git, Azure, AWS, Streamlit, NumPy, Thymeleaf, Selenium, Scikit-Learn, Docker, CI/CD Pipelines & DevOps, REST APIs