Talha Atif

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EDUCATION

Software Engineering   Hamilton, ON
McMaster University - 3.9 GPA   *Sept. 2023 – Present*
Relevant Courses: Data Structures & Algorithms, Object-Oriented Programming, Digital Architecture

EXPERIENCE

Front-End Developer   Sep 2024 – Present
McMaster MSA   *Hamilton, ON*
- Optimized website for mobile viewing using media queries, enhancing accessibility for over 1,000 users
- Identified and resolved site defects to enhance functionality and user experience
- Increased site performance and resolved API issues to improve efficiency and reliability

Technology Sales Specialist   June 2022 – Present
Staples Canada   *Oakville, ON*
- Provided technical consultations for hardware and software solutions, assisting with device configuration
- Diagnosed and fixed software issues, OS installations, and network connectivity problems for customers
- Achieved a protection plan attachment rate of over 40%

Software Developer   May 2024 – August 2024
Stellantis   *Hamilton, ON*
- Worked in McMaster Battery Workforce to develop and integrate battery management software for Stellantis EV
- Conducted advanced Simulink simulations to optimize real-time control algorithms for battery efficiency
- Utilized programming and modeling tools for testing and validation of battery systems, ensuring reliability and effectiveness

PROJECTS

Robot Arm Control | *VMware, Quanser, Python*   March 2024
- Programmed robotic arm with live simulation software and control systems
- Integrated sensor data and motor control algorithms to automate movement sequences
- Implemented manual control using potentiometers for precise voltage-based adjustments

Stud.AI | *JavaScript, CSS, HTML, React, Tailwind, Node.js*   January 2024
- Worked in a team using a GitHub repository to develop an AI-powered studying application
- Utilized React and Tailwind to build responsive front-end UI for improved user interaction
- Deployed MongoDB on Google Cloud Servers for scalable data storage and fast syncing

Smart Battle Robot | *Java*   May 2023
- Developed intelligent robot behavior using Java and JFrame for graphical simulations
- Created adaptive algorithms with external data storage to learn and counter opponent strategies
- Designed modular architecture to test robot versions under varied conditions

Spotify Playlist Generator | *Fetch API, Python, Spotify*   October 2022
- Won first place at RoboHacks 2 for innovative use of Fetch API and Spotify integration
- Developed Python app using Spotify API to dynamically generate user-tailored playlists
- Implemented simultaneous playlist updates based on user listening patterns

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, HTML, CSS, OOP
Frameworks: React, Node.js, Pygame
Developer Tools: Git, Linux, Google Cloud, Visual Studio Code, PyCharm, Eclipse, IntelliJ