# Haider Saleem

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## EDUCATION

**Ontario Tech University** **Oshawa, Ontario**
*Bachelor of Science in Computer Science* *Expected Graduation, June 2026*
**GPA:** 3.7/4.3, Dean's List

## EXPERIENCE

**Robotics Team Programmer** Sep 2023 – March 2024
*Ontario Tech RoboMaster* *Oshawa, ON*
- Developed and optimized robot movement algorithms in **C++** to enhance precision and efficiency
- Implemented **Python** scripts for sensor data collection, enabling real-time environment perception and decision-making capabilities for robotic systems
- Collaborated in an integrative team to innovate, troubleshoot, and optimize software integration, ensuring better robotic performance

**Web Development Assistant** March 2023 – July 2023
*Teeny Coders* *Online*
- Contributed to the development and maintenance of 4 educational websites, increasing student engagement and coding skill improvement by **40%**
- Provided technical support and troubleshooting to students and faculty, fostering collaboration
- Developed engaging learning materials, leading to a **35%** increase in interactive learning experiences and overall educational effectiveness.

## PROJECTS

**ChessHub – Online Chess** | [GitHub](#) | [Website](#) | Java, JavaScript, CSS, Node.js, Websockets, RESTful API
- Engineered an online chess platform leveraging RESTful API for backend integration and real-time functionality
- Implemented **WebSockets** to enable interactive multiplayer experiences with minimal latency
- Designed customizable themes, daily puzzles, and a dynamic leaderboard, increasing user engagement by **30%**

**EasyChat – Chat App** | [GitHub](#) | [Website](#) | JavaScript, React, HTML, Tailwind CSS, Node.js, Firebase
- Developed a responsive chat application with a modern and intuitive user interface using React and Tailwind CSS
- Integrated Firebase backend services, implementing Google Auth for secure sign-in and utilizing Firestore database, improving message storage efficiency by **25%**
- Personalized user experience with details like names, timestamps, and profile pictures sourced from Google accounts, boosting engagement

**Global Happiness – Data Analysis** | [GitHub](#) | [Website](#) | Python, Pandas, Numpy, Matplotlib, Seaborn
- Analyzed the 2019 World Happiness Report dataset across 160 countries to uncover global happiness trends and their economic links.
- Developed detailed data visualizations to illustrate correlations between GDP per capita and happiness scores.
- Cleaned and processed data, improving insights into socio-economic factors affecting happiness.

**CineSeek – Movie Search App** | [GitHub](#) | [Website](#) | HTML, CSS, JavaScript, Git, API's
- Developed a sophisticated movie search Website by seamlessly integrating the **OMDB** and **TMDB** APIs, creating an extensive database of films and television shows
- Implemented a feature showcasing the Top 15 Movies of the week for users to stay updated
- Built a detailed movie information system showcasing key details like title, release year, ratings, release date, genre, and reception

## TECHNICAL SKILLS

**Languages**: HTML, CSS, JavaScript, Java, Python, Sass/SCSS, C++, Assembly

**Frameworks**: React, Node.js, Bootstrap, Tailwind, Material-Ui, Wordpress

**Developer Tools**: GitHub, Git, Docker, Google Cloud Platform, Firebase , Visual Studio, Jupyter, Figma, Linux

**Libraries**: Pandas, Mathplotlib, NumPy, OpenCV, PyTorch, STL, DaisyUI