

# Tawsif Mayaz

 [linkedin.com/in/tawsif-mayaz](https://www.linkedin.com/in/tawsif-mayaz)  [tawsifmayaz@gmail.com](mailto:tawsifmayaz@gmail.com)  [github.com/tawsifrm](https://github.com/tawsifrm)  437-224-5060

## SKILLS

---

**Languages:** JavaScript, TypeScript, HTML/CSS, Python, Java, C/C++

**Frameworks:** Node.js, ReactJS, ExpressJS, VueJS, AngularJS, Vite, NestJS, ThreeJS, Framer Motion, Discord.js, TensorFlow, OpenCV

**Tools:** Git and Github, Visual Studio, Figma, Android Studio, Jira, MS Office Suite, Azure

## WORK

---

**Mhapy** | *Web Development Intern*

Jan 2024 - Present

- Developed core functionalities for a patient-therapist matching website using **ReactJS** and **TailwindCSS**, resulting in a **30% increase in user engagement**.
- Connected Mhapy's API using **NestJS** and **ExpressJS** on the backend and leveraged forms to provide personalized therapist recommendations, enhancing user satisfaction and **improving matching accuracy by 25%**.
- Utilized React **media queries** to craft responsive and visually captivating pages and ensured optimal display across various devices and screen sizes, **boosting mobile traffic by 40%**.
- Used **Figma** to plan and prototype user interface designs, providing clear implementation guidance to ensure a consistent and intuitive user interface, improving accessibility and user experience.
- Collaborated with a team of **5 developers** and **2 designers** in an **Agile environment** to integrate **10+ new features**, ensuring seamless functionality and improving overall site performance.

## EXTRACURRICULARS

---

**Electrium Mobility** | *Web Development Team*

Jan 2024 - Present

- Enhanced the website using **ReactJS** and **TypeScript**, focusing on responsiveness, and accessibility.
- Simplified the application process for potential team members by developing a backend system using **Node.js** and **Express** that connects to a document for organizing applicants, ensuring a smooth experience and data security.

**UWOribital** | *Firmware Team*

Jul 2023 - May 2024

- Developed real-time software and drivers for TI RM46 microcontroller in **C** and **FreeRTOS**.
- Implemented responsive OS interrupt handling for temperature sensors like the LM75BD.
- Designed **I2C-based** sensor functions and UART data transmission for reliable system operation.

## PROJECTS

---

**Medium Clone** | *ReactJS, TailwindCSS*

Apr 2024

- A clone of the Medium homepage made using **ReactJS**, **TailwindCSS**, **Radix UI**, **Lenis** and **Framer Motion**.

**Portfolio Website** | *React, Vite, ThreeJS, Framer Motion*

Mar 2024

- A portfolio website made with **Framer Motion** for animations and **Three.js** for an interactive 3D scene.

**Microsoft Stock Price Prediction** | *Python, TensorFlow, Keras, Pandas, Matplotlib, Scikit-learn, NumPy*

Mar 2024

- Utilized **Long Short-Term Memory** (LSTM) neural networks to predict the closing prices of Microsoft stock.

**Javascript Pacman** | *JavaScript, HTML, CSS*

Feb 2024

- Developed a classic arcade-style Pac-Man game using **Vanilla JavaScript**.

**Dog Breed Identifier** | *Python, TensorFlow, Keras, OpenCV, Scikit-learn, NumPy, Pandas, Matplotlib*

Jan 2024

- Created a program to classify dog images into breeds using a pre-trained ResNet50V2 model.
- Trained and fine-tuned the model on a labeled dataset with data augmentation and customized layers.

**Bricks Be Gone** | *Android, Java, Android Studio*

Jan 2024

- Developed a classic brick breaker game for Android using **Java** and **Android Studio**.

## EDUCATION

---

**University of Waterloo**

Sep 2023 - Present

*Bachelor of Applied Science, Electrical Engineering*