

Muzamil Shamsi

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<https://www.linkedin.com/in/muzamil-dev/> | [www.github.com/muzamil-dev](https://github.com/muzamil-dev) | US - Citizen

EDUCATION

University of Central Florida

Bachelor of Science in Computer Science

- **Certifications:** Microsoft Office Specialist, TestOut Cyber Defense Pro, CompTIA Security+ (in progress)
- **Organizations:** Knight Hacks, Society of Hispanic Engineers (SHPE)
- **Leadership:** MentorSHPE(Mentee/Mentor)

WORK EXPERIENCE

Eufinity Wellness | Start-up | Software Engineering Intern

Oct 2021 – Feb 2023

- Contributed to the good development of a responsive web application using HTML, CSS, and JavaScript, improving accessibility and performance for **1,000+** users.
- Engineered modular front-end components and implemented lazy loading, enhancing site performance while accelerating development through reusable modules, faster feature rollout, and easier code maintenance.
- Integrated **5+** RESTful APIs to deliver dynamic, real-time content, decreasing data fetch latency by **30%**.
- Designed and deployed a dynamic journal entry system and integrated counselor appointment scheduling, enabling users to track progress and book sessions directly through the platform, reducing cost, and changing user bias into a positive one.

RaveOn Sports | IT Intern

May 2020 – Sep 2020

- Contributed to launching the company's first website by configuring WordPress themes and layouts using drag-and-drop tools.
- Supported early product visibility by organizing content and experimenting with SEO-friendly site structure using built-in plugins.
- Gained experience in startup collaboration by participating in initial planning calls to align website goals with business needs.

Toho Water Authority | Billing Intern

Sept 2023 – May 2024

- Ensured **100%** billing accuracy across **1,600+** weekly customer accounts by validating data, reconciling discrepancies, and processing updates using Utility Exchange software.
- Improved customer account quality by performing **400+**/daily credit assessments and managing deposits and profile changes using Customer Information System (CIS) tools.
- Digitized over **2,000** legacy billing records, significantly improving retrieval speed and enhancing data security and compliance with record-keeping standards.

PROJECTS

DETECT - Deception Tracking through Eye Cues Technology

Fall-2024 - May 2025

- Developed frontend using **Astro** and **Tailwind** for a responsive **Computer Vision** eye-tracking deception detection system.
- Deployed **PostgreSQL** in **Docker** containers to improve data storage performance and resilience.
- Integrated **Svelte** and **TypeScript** with **MediaPipe** and TensorFlow.js to implement real-time eye tracking and iris analysis directly in the browser at **30FPS**.
- Optimized landmark processing pipeline, reducing false positives by **~20%** and improving accuracy of iris position metrics.

FoodFlex | Hackathon

October 2024

- Developed an AI-powered dietary planner in 48 hours using **React.js**, **TypeScript**, **OpenAI API**, and **Nutritionix**, generating **hundreds** of personalized meal plans during the hackathon demo.
- Implemented **OCR** for recipe scanning, **Supabase authentication**, and backend **API** integrations.

Peer Review

August 2024

- Designed and developed the entire frontend in **React**, improving usability and **reducing user task time by 25%**.
- Ensured smooth interaction between **frontend and backend** by implementing **Node.js APIs**, resulting in faster data updates and a more responsive experience.
- Used **Git** for version control and **JIRA** for project tracking, contributing to on-time delivery and strong **team collaboration** across development sprints.

SKILLS

Programming Languages: C, Java, Python, JavaScript, TypeScript, SQL, HTML, CSS.

Technologies: React.js, Node.js, MERN Stack, OpenCV, MediaPipe, TensorFlow, Docker, AWS, Firebase, Postman, Git, JIRA, VirtualBox, Full Stack Development, Cybersecurity (Wireshark, Burp Suite, Ettercap), API Development, Agile, DevOps, GNU/Linux, Data Structures and Algorithms, Automation, Test Cases, Databases, Front-End Development, Object-Oriented Programming (OOP), Artificial Intelligence, Machine Learning, Backend Development, WordPress, SQLite, Postgress, Databases Systems, System Software.

Soft skills: Teamwork, Communication, Problem-Solving, Critical Thinking, Time Management, Adaptability, Conflict Resolution.

Languages: English, Urdu.