Muzamil Shamsi

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WORK EXPERIENCE

Toho Water Authority | Billing Intern   Sept 2023 – May 2024
Kissimmee, FL

- Optimized billing for 1,600+ accounts weekly, ensuring 100% data accuracy using Utility Exchange software.
- Utilized CIS tools for detailed credit assessments, deposit management, and customer profile updates.
- Assisted in migrating paper-based billing records to a digital system, improving accessibility and security.

Eufinity Wellness | Software Engineering Intern   Oct 2021 – Feb 2023
Gainesville, FL

- Designed interactive wireframes and UI prototypes in Adobe XD for both web and mobile apps.
- Developed a cross-platform app in Android Studio using Java/Kotlin.
- Built and optimized responsive web interfaces in HTML/CSS, integrating APIs for dynamic content and performance.
- Enhanced app efficiency with Google Lighthouse optimizations, cutting load times by 20%.

RaveOn Sports | IT Intern   May 2020 – Sept 2020
Remote

- Redesigned WordPress site, increasing traffic by 15%.
- Implemented cross-platform compatibility, reducing user complaints by 40%.
- Optimized web performance, improving page load speed by 25%.

PROJECTS

DETECT | Backend Lead and Frontend Developer   May 2025

- Developed frontend using Astro for a responsive AI-powered deception detection system.
- Implemented SQLite for development and PostgreSQL for production database management.
- Integrated Python, OpenCV, MediaPipe, and TensorFlow for real-time eye tracking and iris analysis.
- Optimized affine transformations for precise tracking and reduced false positives.

FoodFlex | Frontend Developer   October 2024

- Built an AI-powered dietary planner using React.js, TypeScript, OpenAI API, and Nutritionix database.
- Implemented OCR for recipe scanning, Firebase authentication, and backend API integrations.
- Created a user-friendly interface for meal tracking, nutritional analysis, and personalized diet plans.

Peer Review | Frontend Developer   August 2024

- Developed a Peer Review application using the MERN stack with a team of 8 people.
- Used Node.js for seamless communication between the frontend and backend.
- Designed and implemented the web frontend using React.
- Collaborated with team members using Git for version control and JIRA for project management.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Java, C/C++, TypeScript, SQL, HTML, CSS, Bash

Technologies & Tools: React.js, Node.js, MERN Stack, OpenCV, MediaPipe, TensorFlow, Docker, AWS, Firebase, Postman, Git, JIRA, Vagrant, VirtualBox, Full Stack Development, Machine Learning, Cloud Computing, Cybersecurity (Wireshark, Burp Suite, Ettercap), API Development, Database Management, Agile, DevOps, GNU/Linux

EDUCATION

University of Central Florida | Bachelor of Science in Computer Science   May 2025
Orlando, FL

- **Relevant Courses**: Data Structures and Algorithms, Database Systems, Machine Learning, Object-Oriented Programming, System Software.
- **Certifications**: Microsoft Office Specialist, TestOut Cyber Defense Pro, CompTIA Security+ (in progress).
- **Organizations**: Hack@UCF, Knight Hacks, SHPE, Astronomy Club.