Muhannad Abu Shanab

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EDUCATION

University Of South Florida   Tampa, FL
Bachelor of Science in Computer Science   *Aug 2020 – Aug 2024*

TECHNICAL SKILLS

Languages: JavaScript, Python, SQL, C#, C/C++, HTML/CSS
Frameworks: React, React Native, Node.js, Django, .NET, Express.js, Bootstrap
Technologies: REST APIs, Chrome Extension APIs
Tools: Git, GitHub Actions, AWS, Agile Methodologies, Unit Testing, Cisco DNA, Power BI, Excel

EXPERIENCE

Software Developer   New York, NY
Jacob Javits Center   *Dec 2024 – Present*

- Developed a Microsoft CoPilot chatbot with AI-driven adaptive cards, reducing ticket volume by 20% and streamlining vendor support processes.
- Assisted in migrating the company website from Umbargo 7 to Umbargo 13, updating 10+ pages to mitigate security risks and modernize the platform.
- Configured and troubleshooted 20+ routers and switch ports via Cisco DNA (including 4+ Excel-based VLAN migrations), collaborating with cross-functional IT teams to reduce resolution times by 30%.

Software Engineer   Tampa, FL
Make It Viral Media & Technologies   *Oct 2023 – Nov 2024*

- Built responsive websites and mobile apps using JavaScript, React, HTML, and SQL. Boosted client engagement by 25% through UI/UX improvements and mobile-first design.
- Integrated SQL-backed systems and RESTful APIs to support scalable infrastructure. Automated CI/CD with GitHub Actions, cutting query times by 15% and speeding up deployments by 20%.

Teaching Assistant   Tampa, FL
Department of CSE, USF   *Aug 2023 – Aug 2024*

- Mentored 300+ students in C/C++ through 1:1 support and live debugging during office hours. Improved assessment scores by 15% and raised course retention by 10%.
- Assessed code-based assignments and delivered targeted feedback to improve coding style and algorithm efficiency. Reduced error rates by identifying patterns and guiding corrections.

PROJECTS

Prompted — *JavaScript, React, CSS, Manifest V3, Chrome Extension APIs*   Aug 2024 – Oct 2024

- Built "Prompted," a Chrome extension leveraging Manifest V3 and Chrome APIs to optimize AI prompts. Boosted response accuracy by 30%, improved interaction efficiency, and enhanced UI/UX to reduce load time by 20%.
- Developed and deployed a branded marketing website using React and CSS to drive user adoption. Integrated the platform with the extension to ensure cohesive functionality across web and browser environments.

Friendly Fitness — *JavaScript, React Native, PostgreSQL, Django, Python*   May 2024 – July 2024

- Built "Friendly Fitness," a React Native app using the USDA Food Search API to track meals and weight. Increased engagement by 35% and cut data retrieval time by 25% via API optimization.
- Developed a Django/PostgreSQL backend to calculate user-specific intake goals. Improved feedback accuracy and boosted overall app performance and satisfaction.

Image Classifier — *JavaScript, React, REST APIs, Text-to-Speech (TTS) API*   Mar 2024 – Apr 2024

- Built "Image Classifier," a web app that sends images to a third-party AI API and returns spoken results via a Text-to-Speech API. Improved accessibility and user interaction with real-time feedback.
- Developed a responsive React front end with async API handling for real-time uploads and audio playback. Optimized performance to cut classification and speech output time by 20%.