

# Ahmad Shaqqou

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## EDUCATION

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### University of Central Florida

Orlando, FL

*B.S. Computer Science, GPA: 3.75*

*July 2022 – December 2025*

**Relevant Coursework:** Data Structures and Algorithms, Discrete Structures, Operating Systems, Object-Oriented Programming and Design, Intro to Machine Learning, Cybersecurity, Software Engineering

## EXPERIENCE

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### IT Software Engineering Intern

May 2025 – Present

*General Dynamics - Bath Iron Works*

*Bath, ME*

- Configured and **optimized 20+ Jira workflows** by setting up custom transitions, conditions, and post-functions using SIL scripts, improving ticket flow across multiple teams.
- Worked as a **Jira Developer and Administrator**, using **JQL** to build smart filters and automate ticket handling, helping cut down ticket processing time by **30%**.
- Developed and **deployed custom SIL scripts** to automate repetitive Jira tasks, reducing manual configuration time by **40%** and significantly improving workflow efficiency for the engineering team.

### Computer Science and Mathematics Tutor

July 2023 – Present

*Coach Kelly LIVE*

*Orlando, FL*

- Tutored over **20+** students, leading to a **90% pass rate** on the UCF Computer Science Foundation Exam through personalized and targeted support.
- Elevated grades for over **20+** computer science students by an average of one full letter grade, demonstrating significant academic progress.
- Provided individualized and small group tutoring, enhancing comprehension and performance on class assignments and personal projects for more than **20+** students.

## PROJECTS

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### DevSwipe | *MERN (MongoDB, Express.js, React, Node.js), TypeScript, Vite, Amazon Lightsail*

- Served as a **Full Stack Developer** on a team of 6 to build a full-featured web app that lets developers submit project ideas, browse others' projects, and match with collaborators based on shared interests and skills.
- Focused on the backend, building **20+ REST API endpoints** for user login, email verification, messaging, and project management using **Passport** and **Nodemailer**.
- Helped integrate **real-time** features like chat, notifications, and live updates using Socket.io, and set up **CI/CD** with GitHub Actions to deploy changes to an Amazon Lightsail server.

### ahmadshaqqou.dev | *Next.js, TypeScript, Tailwind CSS, Vercel*

- Built and deployed a full-stack developer portfolio using Next.js, TypeScript, and Tailwind CSS, hosted on Vercel to showcase projects and technical skills.
- Engineered a custom API endpoint leveraging POST requests for contact form submissions, bypassing external platforms and enhancing data security, while also improving form submission processing time by 15%.
- Structured the project with modular components, and server-side rendering for performance and maintainability.

### Audio-Sync | *Python, Node.js, React, Flask*

- Developed a music recognition app that identifies songs from audio input, retrieving details like song titles, artist names, and album name, enhancing the user's music discovery experience.
- Integrated the Shazam API for real-time song recognition and the Spotify API to allow users to seamlessly add recognized tracks to their customized playlists.
- Designed and implemented an intuitive user interface, ensuring a smooth user experience while showcasing advanced **UI/UX** design skills.

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, PHP (Laravel), TypeScript, JavaScript, HTML/CSS, R

**Frameworks:** React, React Native, Tailwind CSS, Node.js, Next.js, Express, Vite, Flask, FastAPI

**Developer Tools:** Git, Github, Docker, MongoDB, MySQL, JQL, Jira, Confluence, Visual Studio Code, AWS (Amazon Web Services), Azure, Postman, Swagger, Ubuntu, Virtual Box