**Leith Rabah**  
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[GitHub](https://github.com/Latharius) | [LinkedIn](https://www.linkedin.com/in/leith-rabah-29a931186/) | [Portfolio](https://portfolio-latharius-portfolio.vercel.app/)

**TECHNICAL SKILLS**

* **Languages**: Python, Java, JavaScript, TypeScript, Kotlin, C#, C, C++, Verilog
* **Frameworks**: React.js, Vue.js, Keras, .NET MAUI, Flutter, PyTorch, Flask
* **Tools**: GitHub, Git, Figma, VirtualBox, Unity, EagleCAD, Shopify
* **Databases**: MongoDB, MySQL

**WORK EXPERIENCE**

**LocusUSA** – **Software Engineer**

Melbourne, FL, *2023 – 2025*

* Developed cross-platform UIs in React.js and Flutter, enhancing and establishing a foundation for future AI-driven UX.
* Diagnosed and resolved critical issues in embedded systems, reducing downtime and improving device reliability.
* Designed and integrated RESTful APIs, enabling seamless communication between UI and backend services with scalability for AI/LLM integrations.
* Championed Agile practices to improve development speed, collaboration, and feature delivery.

**PROJECTS**

**OnlyHands** – MERN Stack Capstone Project

* Developed a responsive matchmaking app for combat sports using React.js and Node.js, enabling real-time user pairing.
* Designed MongoDB schemas and RESTful APIs to enable scalable user data handling and match tracking.
* Worked in Agile Scrum teams using Trello and GitHub, delivering functional features across 4 sprints.
* ***Tech:*** React.js, Node.js, Express, MongoDB

**Instrumental Lights** – Frequency-Based LED Display

* Led a 4-member team to build a music-responsive LED display system with custom signal hardware.
* Built real-time Python signal processing to convert audio input into synchronized LED lighting.
* Documented full system lifecycle in a 120-page engineering report for academic and technical review.
* ***Tech:*** Python, Custom Hardware

**Digital Spectrum Analyzer**

* Developed a digital spectrum analyzer capable of reading hardware input and displaying real-time frequency data.
* Implemented adjustable ranges and dynamic visualizations to adapt to diverse measurement use cases.
* Improved performance and usability, making the system 50% faster and more user-friendly than previous versions.
* **Tech:** Python

**EDUCATION  
University of Central Florida –** Bachelor of Science in Computer Engineering  
*Graduated: May 2023*

**CERTIFICATIONS**

* META Full Stack Developer Specialization (META 2025)
* Applied Software Engineering Fundamentals Specialization (IBM 2025)