

Shade Rahman

shaderahman123@gmail.com | linkedin.com/in/shaderahman | github.com/shadyyr | shaderahman.dev

EDUCATION

University of Central Florida

Bachelor of Science in Computer Engineering, GPA: 4.0

Orlando, FL

Aug. 2024 – May 2028

EXPERIENCE

Solutions Engineer Intern

PeakActivity

Aug. 2026 – Present

Boca Raton, FL / Remote

- Built automated workflow demos on PeakActivity's **SteelEngine** agentic platform for internal teams and prospective clients, translating **operational needs** and **pain points** into configured **agent pipelines** used in **live pitches**.
- Prototyped **several workflow variants** for a single automation use cases, auditing each for **efficiency** to determine and standardize the strongest implementation, then refined the selected workflow based on **user feedback** to improve **reliability** and **usability**.

President

Bengali Student Association

May 2026 – Present

Orlando, FL

- Leading a **9-person board**, delegating responsibilities across marketing, events, and operations to execute **15 planned events** for the 2026-2027 academic year.
- Grew organizational Instagram to **196K+ monthly views** and **838 new followers in one month** by leading a full content strategy overhaul, achieving a **157.6% reach increase** and **1,661 interactions**.
- As Vice President, organized **2 campus events** with **100+ attendees** by coordinating logistics, securing sponsorships, and managing fundraising efforts to sustain operations.

UI/UX Designer

Knight Hacks

Apr. 2026 – Present

Orlando, FL

- Designing **wireframes**, **landing page layouts**, and **conversion-focused UI flows** for Knight Hacks IX, guiding users toward key CTAs and contributing to a **41% increase** in applications for **1,000+** expected applicants.
- Utilized **Figma** and **Notion** across a **17-person** design team to establish a consistent design system and ensure clean developer handoff.

PROJECTS

EcoStep (BloomKnights 2026) | *Next.js, TypeScript, Tailwind CSS, Supabase, Gemini API, Vercel*

July 2026

- Architected an **AI reliability layer** for 2 Gemini vision pipelines (appliance-label OCR, utility-bill parsing) by building a **4-model automatic fallback chain** and **9-category error taxonomy**, **eliminating single-model outages** after a production Gemini model was retired mid-build.
- Developed a **5-engine home-intelligence system** (rebate matching, affordability simulation, outage-resilience planning, group-buying, proactive coaching) across **6 REST API routes**, benchmarked at **9,600+ evaluations/sec** (avg 0.104ms/call) with **8/8 passing unit tests**.
- Diagnosed and fixed **3 classes of app-wide UI bugs** (a silently-ignored dark-mode toggle, 17 invalid Tailwind color tokens, 17 low-contrast controls), then built a **motion-based animation layer** across 6 components, shipping a build with **zero TypeScript errors across 13 routes**.

Bolo | *Next.js, TypeScript, Tesseract.js, Gemini API, OpenAI API, Vercel*

June 2026

- Reduced English email drafting time by **87%**, from **30 min** to **4 min** across **50+** generated emails, by building a full-stack **Next.js** application that converts native-language text, speech, and email screenshots into polished English emails.
- Enabled reliable **code-switched email drafting** across various languages by designing prompt flows that passed **35 AI** generation tests and preserved embedded English words, phrases, and full sentences **without losing user intent**.
- Hardened production reliability, as measured by **126 passing tests** and **21 verified bugs fixed** in an adversarial QA pass, by adding prompt-injection detection, Unicode-aware OCR cleanup, runtime API validation, stale async guards, and empty-response fallback.

TECHNICAL SKILLS

Languages: C, C++, Python, Java, TypeScript, JavaScript, ARM Assembly

Frameworks & APIs: Next.js, React, Flask, Tesseract.js, Flutter, Tailwind CSS, REST APIs, Gemini API, OpenAI API

Tools & Platforms: Git, Vercel, Supabase, MATLAB, Figma, Notion, Adobe Photoshop, Canva, Microsoft Office

Hardware & Systems: FPGA, Vivado, RTL Design, Autodesk Inventor, Autodesk Revit

Certifications: AWS AI Practitioner Challenge, Autodesk Certified User: Inventor, Autodesk Certified User: Revit for Architecture.

Awards: President's Honor Roll, Pegasus Gold Scholar, Bright Futures Florida Academic Scholar, Eda & Cliff Viner Scholar.