Mahad S. Khan

301-266-9768 | mahadsuhaibkhan@gmail.com | https://www.linkedin.com/in/mahad-skhan/ | https://github.com/sprincee

EDUCATION

University of Maryland — College Park, MD
Bachelor of Information Science, Minor in Mathematics — Expected May 2026
Courses: Data Structures, Operating Systems, Computer Architecture, Database Design

WORK EXPERIENCE

The Wills Group — La Plata, MD
Software Engineering Intern II (Networks) — Jun. 2024 – Aug. 2024
- Automated deployment of Meraki MX67 firewalls and MS120 switches across **8+** retail sites; scripted bulk firewall rule configs via Meraki API, reducing staging time by **30%**.
- Developed device initialization scripts and remote config templates for **45+** BOHA IoT devices across **25+** stores; accelerated rollout by **15%** and improved kitchen ops visibility.
- Collaborated with cross-functional teams to standardize network setup protocols, reducing onboarding time for new sites and improving troubleshooting documentation.

The Wills Group — La Plata, MD
Software Engineering Intern I (DevOps Automation Engineering) — Jun. 2023 – Aug. 2023
- Diagnosed and resolved **40+** hardware/software incidents across a **250+** employee base; used PowerShell scripts and Jira workflows to streamline triage and reduce average downtime by **35%**.
- Automated PC imaging process using Microsoft Deployment Toolkit (MDT) and pre-configured Windows Images; cut device setup time by **50%** across **3+** regional sites.
- Authored technical documentation and deployment SOPs for IT staff, improving knowledge transfer and reducing dependency on senior engineers.

ReMax One — La Plata, MD
Data Science Intern (Database + Backend Development) — Jun. 2022 – Sept. 2022
- Designed and implemented a scalable MySQL database to replace Excel-based workflows, normalizing **150+** client and **200+** property records; reduced query latency by **45%** via schema optimization and indexing.
- Wrote Python scripts to migrate and clean legacy data using SQLAlchemy and Pandas, improving data integrity and automating monthly reporting.
- Refactored internal property tracking system using ER modeling and join optimization; reduced manual report generation time by **30%** and enabled multi-user access.

PROJECTS

PoliView — *React.js, Next.js, TypeScript | Supabase | Vercel | Congress.gov API, Axios, Framer* — May 2025
- Built a legislative tracking platform using React.js, Supabase, and the Congress.gov API, enabling users to stay informed on vital U.S. legislation.

Flame — *React.js, Next.js, TypeScript | Firebase | Vercel | OpenAI (DALL-E), Axios, Tailwind CSS* — Oct. 2024
- Developed an AI-powered thumbnail generator for creatives using OpenAI's DALL-E, with Firebase Authentication and a response UI via Tailwind CSS, deployed on Vercel.

QuranQuest — *HTML, CSS, JavaScript | Flask (Python)* — Dec. 2023
- Designed and implemented an educational web-app with Flask and JavaScript, used by **60+** students at a local mosque during winter break.

EnchantmentPLUS — *Java | Forge API, Spigot API | Blockbench, GIMP* — Aug. 2023
- Programmed a Minecraft mod that revamped the enchantment system using Java and the Forge API, deployed on a multiplayer server with **100+** peak users.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, SQL, C/C++, R, Bash
Libraries/Frameworks: React.js, Next.js, Node.js, Express.js, Flask, WebSocket
Databases & Cloud: MySQL, Supabase, MongoDB, Vercel, Firebase