

Mahad S. Khan

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EDUCATION

University of Maryland Master of Information Systems (Plus One Program) Courses: Advanced Data Science, Cloud Computing, Machine Learning	College Park, MD Expected May 2027
University of Maryland Bachelor of Information Science, Minor in Mathematics Courses: Computer Architecture, Database Design, UX Design	College Park, MD Expected May 2026

WORK EXPERIENCE

The Wills Group Software Engineering Intern <ul style="list-style-type: none">Built full-stack React.js dashboard serving 20+ stakeholders for intern project tracking; implemented dynamic routing, role-based auth, and CI/CD workflows with GitHub Actions.Participated in TLS certificate provisioning for 10+ POS endpoints, improving PCI-DSS compliance and reducing configuration errors by 80%.Assisted in building ML pre-processing pipelines to vectorize 1TB of enterprise data, with the aim to boost L1 engineer productivity by 40%.	La Plata, MD Jun. 2025 – Present
The Wills Group Software Engineering Intern <ul style="list-style-type: none">Streamlined Meraki MX67/MS120 deployment across 8+ retail sites; scripted bulk firewall rule configurations via Meraki Portal, reducing staging time by 30%.Developed initialization scripts for 45+ BOHA IoT devices, shipping 50% ahead of schedule across 35+ locations.Standardized network protocols with cross-functional teams, reducing site onboarding time by 25% and streamlining troubleshooting processes.	La Plata, MD Jun. 2024 – Aug. 2024
The Wills Group Software Engineering Intern <ul style="list-style-type: none">Resolved 40+ hardware/software tickets across 250+ employee base using incident response workflows; reduced average downtime by 35% while decreasing L1-L3 escalations.Automated PC imaging using Microsoft Deployment Toolkit and pre-configured Windows Images, cutting device setup time by 50% across 3+ regional sites.	La Plata, MD Jun. 2023 – Aug. 2023
ReMax One Data Science Intern <ul style="list-style-type: none">Designed and implemented scalable MySQL database to replace Excel-based workflows, normalizing 150+ client and 200+ property records; reduced query latency by 45% via schema optimization.Migrated and cleaned legacy data using Python scripts with SQLAlchemy and Pandas, improving data integrity by 95%.	La Plata, MD Jun. 2022 – Sept. 2022

PROJECTS

PoliView — <i>React.js, Next.js, TypeScript Supabase Vercel Congress.gov API, Axios, Framer</i> <ul style="list-style-type: none">Built a full-stack legislative platform that tracks bills and congressional actions, enabling users to stay informed on vital U.S. legislation.	May 2025
Flame — <i>React.js, Next.js, TypeScript Firebase Vercel OpenAI (DALL-E), Axios, Tailwind CSS</i> <ul style="list-style-type: none">AI-powered thumbnail generator utilizing OpenAI GPT-4o; implemented request queuing and rate limiting to handle 35+ concurrent users without API throttling.	Oct. 2024
QuranQuest — <i>HTML, CSS, JavaScript Flask (Python)</i> <ul style="list-style-type: none">Gamified Islamic education platform with interactive quizzes and progress tracking; deployed across 2 mosques serving 80+ students with personalized learning modules.	Dec. 2023
EnchantmentPLUS — <i>Java Forge API, Spigot API Blockbench, GIMP</i> <ul style="list-style-type: none">Minecraft mod with custom enchantment engine and particle system optimization; reverse-engineered game mechanics to implement balanced progression system supporting 100+ concurrent players.	Aug. 2023

SKILLS

Languages: JavaScript, TypeScript, Python, SQL, C/C++, R, Bash
Technologies: React.js, Next.js, Node.js, Express.js, Flask, Supabase, Vercel, Firebase, Linux, Cursor, SQLAlchemy
Interests: Rock-Climbing, Hiking, Photography, Writing, Crochet, Latte-Art, Philosophy, Tang-Dynasty Chinese History