

# AMMAAR REHMAN

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## TECHNICAL SKILLS

**Security & Cyber Readiness:** NIST Cybersecurity Framework, CIS Controls, Discover5 and Ready5 readiness assessments, EDR/MDR, MFA and Conditional Access, SPF/DKIM/DMARC, DNS filtering, backup and restore

**Cloud & Infrastructure:** AWS (S3, CloudFront, Route 53, IAM, EC2), Terraform, Docker, Linux, infrastructure as code

**Networking & Monitoring:** DNS/DNSSEC, AdGuard Home, Unbound, keepalived (VRRP), Tailscale, Prometheus, Grafana, Uptime Kuma

**Programming & Tools:** Python, JavaScript, HTML/CSS, Java (basics), Git/GitHub, VS Code, Google Apps Script

**AI & Automation:** Claude API, Claude Code, AWS Kiro, prompt design and evaluation, AI-assisted development

## PROFESSIONAL EXPERIENCE

**Cyber Ready Clinic**, Maryland

*Cyber Security Analyst, Internship Cohort*

Sep 2026 - Present

- Support nonprofit cyber-readiness assessments using the Discover5 business-risk and Ready5 capability frameworks, with findings aligned to the NIST Cybersecurity Framework and CIS Controls.
- Analyze and document capability gaps across endpoint, identity, email, edge, and response controls, including EDR/MDR, MFA and Conditional Access, SPF/DKIM/DMARC, DNS filtering, and backup and restore testing.
- Participate in client engagements alongside senior practitioners, including leadership intake interviews, capability discussions with client IT teams and MSPs, and close-out briefings.

**NextGen Consulting Inc.**, Washington DC-Baltimore Area

*Cloud & AI Operations Intern*

May 2025 - Present

- Use Claude, AWS Kiro, and AWS services to investigate errors, summarize issues, improve documentation, and support active cloud projects.
- Run configuration checks, service testing, and issue triage; translate technical problems into clear next steps for non-technical users.

*Information Technology Operations Intern*

Jun 2024 - May 2025

- Resolved 200+ user issues across account configuration, access, and mobile application troubleshooting.
- Tested application functionality, documented bugs, and created support documentation to reduce repeat issue resolution time.

**Howard Community College Campus Store / Slingshot**, Columbia, MD

*Campus Operations Associate*

Aug 2024 - Present

- Operate order, fulfillment, and inventory systems while troubleshooting student, faculty, staff, and department issues during high-volume periods.

## SELF-DIRECTED PROJECTS

**Self-Hosted Homelab - Raspberry Pi 5 (x2), Linux, Docker, keepalived, AdGuard Home, Unbound, Prometheus, Grafana**

- Built high-availability DNS across two nodes using keepalived and a VRRP floating IP; tested automatic failover and failback, with configuration sync between nodes every 10 minutes.
- Run AdGuard Home in front of recursive Unbound with DNSSEC, plus Prometheus/Grafana, Uptime Kuma, and Tailscale for service health, observability, and remote access.

**Claude Intake Triage Assistant - Claude API, Google Apps Script, Google Forms/Sheets, Python**

- Built a Claude-powered workflow that turns free-text community help requests into structured, reviewable records with category, urgency, summary, next steps, and human-review flags.
- Wrote a 15-case Python eval harness; prompt restructuring raised multi-need coverage from 0% to 90% and classification accuracy to 100% across the test set.

**trading-lab - Python, pre-registered backtesting, CI self-tests**

- Built a pre-registered backtesting framework for seven trading strategies, committing acceptance criteria before loading market data and using automated self-tests to catch implementation errors; all seven were rejected under the predefined rules before capital was deployed.

**AWS Static Website Deployment - Terraform, AWS S3, CloudFront, Route 53, IAM**

- Provisioned a private S3 site served over HTTPS through CloudFront with Origin Access Control, DNS, and access controls entirely in Terraform; documented repeatable deployment and teardown.

## EDUCATION

**University of Maryland, Robert H. Smith School of Business**, College Park, MD

Expected 2028

*B.S., Information Systems* | Guaranteed transfer admission; starting Jan 2027

**Howard Community College**, Columbia, MD

Expected Dec 2026

*A.A., General Studies* | GPA: 3.65 | Dean's List

**Relevant Coursework:** Accounting I & II, Economics (Macro & Micro), Business Calculus, Statistics, Marketing, Intro to Business, Computer Concepts, Python

## CERTIFICATIONS & TRAINING

**AWS Certified Cloud Practitioner (CLF-C02)** - Amazon Web Services | Jun 2026   **CompTIA Tech+** | Aug 2026

**Ready5 Practitioner** - Cyber Ready Clinic | In progress, expected Nov 2026

**Anthropic Claude Developer & AI Fluency Training** - 9 courses | Jun 2026

## LEADERSHIP & HONORS

**FBLA National Qualifier** | Maryland House of Delegates - Volunteer Staff