

# AHANAF AKIF

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## EDUCATION

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### Florida International University (FIU)

Miami, FL.

Bachelor of Science in Computer Science | GPA: 3.5/4.0

Expected: May 2027

**Honors & Awards:** Florida Bright Futures, Dean's List, FIU Merit Scholarship

**Relevant Technical Coursework:** Operating Systems, Database Management, Digital Forensics, Programming I-II

**Associations:** AWS Cloud Club, INIT @ FIU, CodePath, CodeCrunch

## SKILLS

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**Languages:** Python, JavaScript, Java, C/C++, SQL, HTML/CSS, PowerShell

**Infrastructure & Cloud:** AWS (EC2, S3, VPC, Lambda, IAM), Docker, Terraform, CI/CD, Git

**Security & Forensics:** Network Security, Splunk, SIEM, Wireshark, Digital Forensics, Azure (SC900 Certified)

## EXPERIENCE

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### AWS Cloud Club @ FIU | Technical Lead

Nov. 2025 – Present

Miami, FL.

- Led technical workshops for **20+ students** on **AWS cloud infrastructure** and services, teaching best practices for provisioning **VPCs, EC2 instances**, and **network security groups**.
- Mentored peers on **troubleshooting & operations**, resolving deployment errors and enforcing strict **IAM security policies** in hands-on labs.
- **Developed technical curriculum and presentations**, boosting engagement and understanding of AWS concepts.

### INIT Build @ FIU | DevOps Co-Lead

Sep. 2025 – Present

Miami, FL.

- Co-led DevOps for a 16-contributor **IAM Misconfiguration Dashboard**, orchestrating multi-container environments with Docker Compose and reducing developer onboarding time by **60%** with one-command setup.
- Provisioned AWS infrastructure as code with Terraform (**Lambda, DynamoDB, S3, API Gateway, OIDC**), securing **CI/CD** deployments via GitHub Actions and enforcing **least-privilege IAM** policies.
- Implemented **DevSecOps scanning pipeline** (OPA, Checkov, Gitleaks) with **Makefile** automation and integrated **Grafana + Prometheus** monitoring, cutting manual security review time by **35%** and enabling real-time observability.

## PROJECTS

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### NextWave | MDC SharkByte Hackathon 2025

- Developed a multi-agent AI platform website with teammates to help students generate personalized academic and career pathways (**#1 in MDC Career Challenge + #1 Use of Digital Ocean**).
- Developed full-stack architecture using **React, TypeScript, Tailwind, AWS Lambda, API Gateway, DynamoDB, and Google Gemini**, enabling real-time guidance, salary insights, and cost projections.
- Expanded the platform leveraging **AWS S3 and CloudFront as a CDN**, decreasing page latency and supporting 100+ student users.

### AWS GuardDuty | Threat Detection Project | AWS (CloudTrail, IAM, S3, CloudShell), JS

- Simulated **SQLi** and **Command Injection** attacks on a deployed web app, utilizing **CloudTrail** and **GuardDuty** to triage alerts and perform root cause analysis.
- Mitigated risks by hardening **IAM roles** and **S3 policies**, enforcing **least-privilege access** to secure the environment against privilege escalation.

## ACTIVITIES

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### Cybersecurity Training & Blue Team Simulation | CodePath CYB102

- Completed a 10-week SOC analyst program, performing full-lifecycle incident response (**triage, containment, recovery**) on simulated threats with **MITRE ATT&CK** framework mapping.
- Investigated network anomalies and correlated log data using **Splunk, Snort, and Wireshark**, documenting IOCs and delivering actionable remediation reports.