DYLAN KHAN

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EDUCATION:

University of Florida Gainesville, FL

Bachelor of Science in Computer Science Expected May 2026

- GPA: 3.33
- *Key Coursework*: Operating Systems, Artificial Intelligence Fundamentals, Data Structures & Algorithms, Computer Organizations, Information & Database Systems, Computer Network Fundamentals, Cyber-physical system security
- *Clubs*: Caribbean Student Association, UF Security Information Technology

EXPERIENCE:

Screen Assembly Assistant June 2020 – August 2020

RepairPartsUSA Sunrise, FL

- Assembled screens and restored devices to operational use by assembling screen frame onto the LCD panel at a rate of 50 screens per day.
- Verified that the front-facing camera, speaker, and proximity sensor are assembled onto the screen and confirmed its proper operation.

Cybersecurity & AI Intern May 2025 – August 2025

Microsoft

- Built and managed a simulated Microsoft Entra ID (Azure AD) environment, implementing role-based access control (RBAC), conditional access policies, and multi-factor authentication (MFA) to strengthen identity and access management (IAM) security.
- Collaborated with Microsoft's Workforce AI team to design and deploy an AI-based Copilot agent that provided guided onboarding, personalized support, and 24/7 interactive coaching.
- Developed cybersecurity course plans and authored AI agent documentation to support peer and professional upskilling.
- Earned Microsoft SC-200, SC-300, and MS-900 certifications, gaining expertise in cloud security, SIEM (Sentinel), threat detection (Defender), and compliance in Microsoft 365 security ecosystems.

UF AI Scholars Research August 2025 – April 2026

Role: Undergraduate Researcher | Focus: AI/ML for intrusion detection systems

- Researched applications of machine learning techniques to enhance intrusion detection systems (IDS) for identifying zero-day cyberattacks.
- Implemented and evaluated anomaly detection models including One-Class SVM (OCSVM), DBSCAN, and Artificial Neural Networks (ANN) on real-world network traffic data.

SKILLS/CERTIFICATIONS:

Certifications: CompTIA Security+, UF Artificial Intelligence Fundamentals and Applications, SC-200, SC-300, and MS-900

Skills: Cybersecurity, Information Security, Identity & Access Management (IAM), Microsoft Entra ID, Microsoft Defender, Azure Security Center, SIEM (Microsoft Sentinel), Threat Detection, Python, C++, JavaScript, Bash Scripting, Virtualization, Windows, MacOS, Linux, Azure VMs, Microsoft Word, Microsoft Excel, Microsoft SharePoint

PROJECTS:

- **Linux File System**
  C++ · FUSE · libFUSE · Custom WAD Library ·VirtualBox
  - Designed and implemented a user space filesystem daemon (wadfs) that mounts and interacts with WAD archive files commonly used in classic PC games such as DOOM.
- **Azure Honeypot VM – Threat Analysis**
  Azure VMs · Linux
  - Deployed and monitored Linux-based honeypots in Microsoft Azure virtual machines to log, analyze, and assess real-world security threats, including attempted zero-day exploits.

- **Undergraduate Research – Machine learning for cybersecurity**
  Python · TensorFlow · Pandas · scikit-learn
  - Built an experimental environment to test machine learning models for intrusion detection as part of the UF AI Scholars Research program.
  - Designed and trained anomaly detection models (e.g., One-Class SVM, DBSCAN, ANN) on real-world datasets (KDD) to detect zero-day cyberattacks.