

# OCEAN UDDIN

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## EDUCATION

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### University of Central Florida

B.S. in Information Technology, College of Engineering and Computer Science

GPA: 3.5

Orlando, FL

May 2026

**Relevant Coursework:** Enterprise Computing, Computer Network Concepts, Network Lab, System Administration and Maintenance, Security in Computing

**HackUCF Member:** Vulnerability identification, threat analysis, and defensive security through team-based CTF challenges.

## CERTIFICATIONS

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CompTIA Security+ | TestOut IT Fundamentals Pro | Apple Certified Technician

## TECHNICAL SKILLS

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**Operating Systems and Virtualization:** macOS, Windows 10/11, iOS, Linux (Ubuntu), VirtualBox

**Networking:** TCP/IP, DHCP, DNS, OSPF, VLANs, Cisco IOS CLI, Wireshark, network troubleshooting

**Cloud:** AWS (EC2, S3, IAM)

**Security:** SIEM concepts, vulnerability assessment, threat analysis, endpoint security, phishing simulation, security hardening, RBAC, audit logging, Group Policy, Windows Registry

**Tools and Platforms:** Active Directory, ticketing systems, remote support tools, Git, VS Code, Cisco Packet Tracer

**Scripting:** Bash/Shell, PowerShell, Python

**Development:** React Native, Next.js, JavaScript, REST APIs, IoT and hardware integration

## WORK EXPERIENCE

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### Apple

West Palm Beach, FL

Technical Specialist

March 2022 – September 2023

- First and escalation point of contact for 30+ end users daily, resolving in-person hardware and software issues across macOS and iOS devices.
- Maintained asset management records across 200+ devices, tracking repair history, installations, and equipment lifecycle to ensure operational accuracy.
- Reduced misrouted tickets by 15% by retraining intake staff on technical scoping, improving first-contact resolution rates and service desk efficiency.

### Apple

West Palm Beach, FL

Product Zone Specialist

December 2021 – February 2022

- Handled 50+ technical consultations per week, providing hardware configuration and software installation in a high-volume environment.
- Promoted to Technical Specialist within 3 months, faster than 75% of new hires, based on technical proficiency and customer satisfaction scores.

## PROJECTS

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### GrillPass

Founder and Developer

IoT Access Control Platform

2026 – Present

- Designed and implemented role-based access control (RBAC), audit logging, and real-time session management across mobile and web dashboards to enforce accountability and prevent unauthorized access.
- Built secure BLE proximity-based authentication with GPS fallback to mitigate spoofing and remote-trigger attacks, hardening physical access to Shelly relay hardware controlling a gas valve.
- Integrated OpenAI API image verification for post-use cleanliness checks, creating a tamper-evident audit trail tied to authenticated user sessions.
- Engineered a full-stack platform with React Native, Next.js, and IoT hardware integration, applying secure API design and least-privilege principles across the stack.

### Local LLM Lab on Apple Silicon

Personal Lab, Ongoing

Open-source model evaluation and benchmarking

- Run and benchmark frontier open-source coding and reasoning models locally on an M1 Max MacBook Pro (64GB) using Ollama and MLX, comparing Qwen2.5-Coder, DeepSeek, and LLaMA across inference speed, code quality, and context-window handling.
- Applied lab findings directly to GrillPass development, using locally-hosted models for code review, architecture validation, and rapid iteration without exposing proprietary code to third-party APIs.