

Nithin Manikandan

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EDUCATION

University of Maryland, College Park, MD
Bachelor of Science, Computer Science
Gemstone Honors Program

Expected May 2029
GPA: X.XX

TECHNICAL SKILLS

Languages: Python, Java, Bash, HTML/CSS

Tools & Platform: AWS, Linux, Streamlit

SOFT SKILLS

Languages: English, Spanish (Seal of Biliteracy Certified)

Interpersonal: Leadership, Teamwork, Presentation

CERTIFICATIONS

CompTIA Security+ • GFACT • AWS Connect Specialist • AWS Cloud Foundations

LPI Linux Essentials • PCEP-30-02 • IBM Python AI Dev • IBM Cybersecurity Basics

EXPERIENCES

Teaching Assistant - Computer Science

Seneca Valley High School CTE Department, Germantown, MD

August 2024–May 2025

- Worked with programming teachers to assist students in Python coding and project development
- Mentored students in coding competitions, challenges, and projects (e.g., Montgomery College Programming Competition)

Intern - Microgrid Design

Exelon Boys to STEM Academy, College Park, MD

July 2024–August 2024

- Collaborated with interns to design microgrid models and utility systems for Chevy Chase, MD
- Presented design plans to Exelon employees; awarded Best Microgrid Plan out of ~100 interns and ~30 teams

PROJECTS

- PhishyWeb (Web Design)** June 2025–August 2025
 - Deployed a HuggingFace BERT model in Streamlit to classify phishing vs. safe URLs
 - Built a web interface for real-time phishing detection and visualization
- Index for Password Strength (Python)** Feb 2025–April 2025
 - Designed an entropy-based algorithm to score password strength against patterns/dictionaries
 - Created an interactive interface for testing and improving user password security
- Kapal Perang (Java)** May 2024–June 2024
 - Implemented core game mechanics using Java OOP principles
 - Designed a GUI-based interface to simulate turn-based gameplay
- O-sul (Python)** June 2023–Mar 2025
 - Developed a branching narrative engine with state-tracking for interactive gameplay
 - Applied modular Python design to support expandable storylines and multiple outcomes

LEADERSHIP & INVOLVEMENTS

- BigTh!nk AI — Artificial Intelligence Bootcamp, engaging in projects and workshops
- Club Badminton — Active member, participating in intramural matches

COMPETITIONS & HONORS

- SkillsUSA Montgomery County 2025, 1st Place – Cybersecurity
- Montgomery College Programming Competition 2025, Podium – Intro Python
- Lockheed Martin CodeQuest 2025, Top V
- Adventure in Science H4 Certificate 2023