

# Kavennesh Balachandar Valarmathi

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Location: Miami, FL, USA

Self-taught cybersecurity enthusiast with hands-on experience in networking, Linux, and Capture the Flag (CTF) challenges. Strong collaborator with the ability to perform under pressure and make critical decisions. Passionate about learning and staying updated on the latest in cybersecurity.

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## EDUCATION

### Master's in Cyber Security

2024 Aug - 2026 Aug Expected

Florida International University, USA

### BE. in Computer Science and Engineering

2020 Nov - 2024 May

Sri Krishna College of Engineering and Technology

CGPA - 8.00/10.00

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## INTERNSHIPS

### Networking and Cyber Security, DECCAAN SOLUTION

Dec 1 2023 - Feb 28 2024

- Gained hands-on experience with firewall configurations and socket programming.
- Assisted in TSL binding and unauthorized access prevention for website security.
- Assisted in configuring and maintaining secure network infrastructures, enhancing overall system performance and security. 1

### Training on Advance JAVA Technology, Sun Software Solution

Jan 1 2023 - Feb 28 2023

- Gain knowledge in Fundamental of JAVA and to solve complex problem
  - Fundamental understanding of OOP's concepts
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## PROJECTS

### VPN Monitoring & Detection System

Oct 2023 - March 2024

- Designed a VPN Monitoring and Detection system to identify VPN usage within an organization. Implemented Deep Packet Inspection (DPI) to analyze packet-level communication between IP addresses.
- By using Deep Packet Inspection (DPI) we can monitor the current activity of the packet which is communicating with another IP.
- **Tech Stack:** Python, Deep Packet Inspection

### Enhanced Image Generator

Nov 2022 - Dec 2022

- Developed an HDR image generator that converts Low Dynamic Range (LDR) images to HDR using domain-specific machine learning techniques.
  - **Tech Stack:** Machine Learning, Image Processing
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## PUBLICATIONS

- Successfully presented and published "VPN Blocker" project at IEEE conference.
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## WORKSHOPS AND TRAININGS

- Machine Learning and Deep Learning Workshop along with Tensorflow at Anna University, Chennai April 23rd to April 24th 2022.
  - Attended Infosys Summer Training Program in Artificial Intelligence (AI),, Online Aug 7 - Aug 14 2023.
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## TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C++, Git.
- **Software Tools:** Figma, Adobe XD, Linux, Photoshop.

## CERTIFICATIONS

- Introduction to Cybersecurity Tools & Cyber Attacks with IBM.
  - Foundations of Cybersecurity with Google, Dec - 2023.
  - Cybersecurity Roles, Processes & Operating System Security with IBM, Jan - 2023.
  - Introduction to Cybersecurity Tools & Cyber Attacks with IBM, Dec - 2022.
  - Oracle certified Foundations associate, May 2021.
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## AWARDS AND EXTRA-CURRICULAR ACTIVITIES

- Secured 1st place in Cyber Security competition in Eraksha, in National level, August 2023
- Qualified for Kavach Cyber Security hackathon in College level , Jun 2023