

SATHVIKASRI MUKTHA

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EDUCATION

Bachelor of Science | Major: Computer Science, Cybersecurity
University of North Carolina at Charlotte | Charlotte, NC

Expected Graduation: May 2026

COURSEWORK

- Data Structures & Algorithms, Software Engineering, Operating Systems & Networking, Computer Forensic, Network-Based App Development, Human Centered Computing.

TECHNICAL SKILLS:

- **Languages & Web Development:** Python, Java, Linux, C, MySQL, Django, HTML, CSS, JavaScript
- **Technical Tools:** Git, GitHub, Wireshark, Jupyter Notebook, Virtual machine
- Preparing for **CompTIA security+** certification (expected certificate completion: June 2025)

EXPERIENCE

Cyber Secured – Cyber Security & Digital Forensics Intern (Remote) April 2025 – Present

- Participating in a 12-week apprenticeship involving 28+ hours/week of training and hands-on experience in cybersecurity and digital forensics.
- Gaining practical skills in Web & Mobile Application Pentesting, Linux/Windows Privilege Escalation, and Cloud Forensics Readiness.
- Collaborating on live security-focused projects and submitting weekly assignments to demonstrate technical competency.

Starbucks, Barista - Charlotte, NC

September 2023 - February 2024

- Provided personalized service to 100+ customers daily in a fast-paced environment, resolving customer issues efficiently and ensuring high satisfaction, leading to positive feedback and repeat business.
- Collaborated with team members to optimize workflow, manage peak-hour demand, and improve order accuracy, enhancing overall service efficiency

PROJECTS

Cipher Hub – Encryption & Decryption App (Hackathon Winner) March 2025

- Developed a web-based cryptography tool enabling message encryption and decryption using Caesar Cipher, Vigenère Cipher, and RSA as a team of 5 in less than 8 hours.
- Built an interactive Streamlit UI with a file upload feature for encrypting/decrypting messages, leveraging Python and the Cryptography library.
- Achieved recognition by winning the "Most Technical Hack" award, competing against 10+ teams, showcasing expertise in cybersecurity and cryptographic algorithms.

Mastercard Cybersecurity virtual experience program on Forge - [Certificate](#) March 2025

- Completed a job simulation as an analyst on Mastercard's Security Awareness Team.
- Identified and reported security threats, including phishing attacks.
- Analyzed and identified which areas of the business needed more robust security training and implemented training courses and procedures for those teams.

FirstPath

October 2024 - December 2024

- Developed FirstPath, a career guidance platform for students and graduates, as part of a capstone project.
- Built the frontend using HTML, CSS, and Bootstrap, and implemented the backend with Django (Python) and SQLite for database management.
- Collaborated in a team of 4 while applying Agile methodologies for structured project execution and contributed to backend API implementation and system integration.

EXTRACURRICULAR ACTIVITIES

Girls Who Code (Student Organization) - Member

UNC, Charlotte

- Collaborating on coding projects, fostering diversity in tech, and participating in Networking events.