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 Design

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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: May 2025)

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 in just 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 15+ teams, showcasing expertise in cybersecurity and cryptographic algorithms.

Mastercard Cybersecurity virtual experience program on Forage - 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.

GalUp - Golden Hackathon Impact Weekend 2024   October 18th - October 20th 2024

- Designed a fitness app prototype to provide personalized workout and wellness solutions for women.
- Conducted user research, integrated AI-driven recommendations, and designed a UI/UX in Figma.

EXPERIENCE

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.

EXTRACURRICULAR ACTIVITIES

WiCyS - Women in Cybersecurity (Student Organization**) - Member**   UNC, Charlotte

- Actively participated in cybersecurity initiatives and networking events

Skybrook Badminton Club   Huntersville, NC

- Led operations for a club of 15+ members by coordinating practices, tournaments, and events
- Maintained club records and promoted an inclusive environment to boost member engagement and participation