Srinithi Mohan

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EDUCATION

University of North Carolina at Chapel Hill   May 2028

Major: Computer Science, B.S. Physics Minor

Clubs/Organizations: The Daily Tar Heel, Velocity Labs, UNC Competitive Hacking, Rams Hack, Women in Computer Science

Hickory Ridge High School   May 2025

Relevant Coursework: AP Computer Science A, AP Calculus BC, AP Statistics, AP Chemistry, AP Physics, Introduction to Python Programming I Honors

North Carolina School of Science and Mathematics   May 2025

Relevant Coursework: Honors Computational Science, Honors Computational Physics, Honors Aerospace Engineering, Honors Computer-Human Interaction, Honors Multivariable Calculus with Applications I & II

PROFESSIONAL EXPERIENCE

Kode With Klossy   March 2025 – August 2025

Instructor Assistant

- Facilitated web development curriculum delivery, classroom management, community building activities, and logistics for a camp of ~80 scholars. Reviewed daily feedback and metrics to modify instructional strategies in response to scholar data.
- Selected from a competitive pool of applicants exhibiting proficiency in one or more programming languages and a passion for empowering young women in STEM

Girls Who Code and athenahealth: Work Prep   May 2025 – June 2025

Apprenticeship

- Career exploration program with applied workshops on healthcare positions. Building projects with others that propose the best ways to utilize technology for SDoH (Social Determinants of Health) risk factors that include user-friendly technology, compatibility with systems, and creating models from SDoH data

Beaver Works Summer Institute: Cyber Operations   July 2024 – August 2024

Internship | Cambridge, Massachusetts

- Explored key concepts in graduate-level subjects such as networking fundamentals, SQL injection, steganography, reverse engineering, whaling and phishing attacks, side-channel attacks, adversarial machine learning, and system administration
- Gained proficiency in Bash, Ghidra, Wireshark, NMAP, OpenStego, Burp Suite

Summer Research and Innovation Program, Research in Computational Science,   June 2024

Internship | Durham, North Carolina

- Conducted a small-scale research project as part of a 3 week on-campus program
- Utilized Python and tested machine learning models to find the optimal model for classifying stars into star types to advance the application of the Hertzsprung-Russell diagram

Other Experience: National Cyber Scholar with Honors, Kode With Klossy Scholar: Mobile App Development and Web Development, Harrisburg Library Volunteer, ISC2 Certified in Cybersecurity, GIAC Foundational Cybersecurity Technologies

PROJECTS

PolicyPro

- Won North Carolina's District 12 Congressional App Challenge 2023 and TacoBell Ambition Accelerator Seed Winner 2024.
- Utilized Xcode and Swift to develop an interactive mobile application that takes Term and Condition agreements that users may find tedious to read in their entirety, and enforces machine learning to find highlights and summarizes agreement to users.

LEADERSHIP & AFFILIATIONS

Girls Who Code, Harrisburg, North Carolina   August 2023 – May 2025

President and Founder, Hickory Ridge High School

- Created and taught computer science principles and lessons to 30+ girls. Invited guest speakers, managed finances for engineering engagements, created a positive and uplifting environment for girls interested in technology

thinkhers   June 2024 – May 2025

Teacher Assistant

- thinkhers is a program led by a Technology Consultant at EY; offers fellowships to high-school aged girls interested in business and entrepreneurship
- Created social media posts to teach applicants about business principles, developed concepts for future lesson plans and activities

SKILLS

Language: Python, Java, HTML, CSS, Swift, JavaScript, R, Bash, SQL

Tools: Matplotlib, Mathematica, Stella, RStudio, scikit-learn, Figma, Canva, Replit, Github, Arduino Boards, VS Code, Xcode