

# Shreyas Mayya

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## Education

- **University of Virginia** **Charlottesville, VA**  
*Bachelor of Science, Computer Science* *8/2022 – 5/2026*
    - GPA: 3.963/4.000
    - *Relevant coursework:* Computer Networks, Computer Systems and Organization, Defense Against the Dark Arts, Hardware Security, Introduction to Cybersecurity, Network Security and Privacy
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## Awards

- **5th Place, 2024 National Collegiate Cyber Defense Competition** *4/2024*
  - **4th Place, 2023 National Collegiate Cyber Defense Competition** *4/2023*
    - Specialize in Linux systems defense and SIEM on the University of Virginia's CCDC team.
    - CCDC, the nation's premier collegiate information security competition, involves defending an enterprise-scale network from highly skilled adversaries, performing business tasks, and interacting with company executives, employees, and clients.
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## Experience

- **University of Virginia Department of Computer Science** **Charlottesville, VA**  
*Undergraduate Teaching Assistant* *1/2023 – Present*
    - Serve as a teaching assistant for UVA CS 3140 "Software Development Essentials", a computer science program requirement with 400 students in the Spring 2024 semester. The course teaches students about technologies and best practices associated with software engineering.
    - Answer questions during office hours, help students debug code, and grade assignments and exams.
  - **Thomas Jefferson High School for Science and Technology** **Alexandria, VA**  
*Lead Student Systems Administrator* *5/2019 – 6/2022*
    - Maintained and managed critical technology at the TJHSST Computer Systems Lab – including over 30 servers, 90 workstations, and two high-performance computing clusters – at the head of a 10-15 person team.
    - Led a modernization of the CSL's infrastructure, including procuring replacements for aging hardware, migrating over 2,000 users to a new identity management platform, and designing an internal access control model.
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## Certifications

- **Amazon Web Services Certified Cloud Practitioner** *1/2023*
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## Projects

- **UVA Cyber Range** *4/2023 – Present*
    - Lead team of 20+ building a public cloud using Linux, OpenStack, and Ceph to support cybersecurity classes, research, and activities at UVA.
    - Designed system architecture, selected hardware, and secured over \$70,000 in grant funding.
  - **Duosmium Results** *10/2020 – Present*
    - Develop a tournament scoring and results archive platform for Science Olympiad, a nationwide science competition, with 18,000 monthly active users.
    - Lead redesign of website using Express, SvelteKit, and PostgreSQL to improve user experience and performance.
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## Technical Skills

Ansible, Bash, Computer networking, Docker, ElasticSearch, Git, Java, Linux, Python, Terraform, Unix systems administration