Shreyas Mayya

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Education

- **University of Virginia** — **Charlottesville, VA**
  Bachelor of Science, Computer Science — *8/2022 – 5/2026*
  - *GPA:* 3.957/4.000
  - *Relevant coursework:* Computer Networks, Computer Systems and Organization, Defense Against the Dark Arts, Hardware Security, Introduction to Cybersecurity, Network Security and Privacy

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.

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.

Certifications

- **Amazon Web Services Certified Cloud Practitioner** — *1/2023*

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.

Technical Skills

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