Shreyas Mayya

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Education

- **University of Virginia** — **Charlottesville, VA**
  Bachelor of Science, Computer Science — *8/2022 – 5/2025*
  - *GPA:* 4.000/4.000
  - *Relevant coursework:* Advanced Software Development, Computer Systems and Organization, Data Structures and Algorithms, Introduction to Cybersecurity, Software Development Essentials

- **Thomas Jefferson High School for Science and Technology** — **Alexandria, VA**
  Advanced Studies Diploma — *8/2018 – 6/2022*
  - *Relevant coursework:* Artificial Intelligence, Data Structures, Foundations of Computer Science

Awards

- **4th Place, 2023 National Collegiate Cyber Defense Competition** — *4/2023*
  - Specialized in Linux systems defense and SIEM on the University of Virginia's CCDC team, which was Mid-Atlantic CCDC champion and placed fourth out of ten teams at the 2023 national finals.
  - 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 490 students in the Fall 2023 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 technology 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 and OpenStack to support cybersecurity classes, research, and activities at UVA.
  - Design system architecture, select hardware, and secure support and funding, with a focus toward long-term viability.

Technical Skills

Amazon Web Services, Ansible, Bash, C++, Computer networking, Django, Docker, ElasticSearch, Git, Java, JavaScript, Kubernetes, Linux, Microsoft Excel, Python, Rust, SQL, Terraform, TypeScript, Unix systems administration