# Shreyas Mayya

(703) 855-9389 ● shreyas@smayya.me ● linkedin.com/in/smayya337

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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:* Advanced Software Development, Computer Networks, Computer Systems and Organization, Data Structures and Algorithms, Discrete Math and Theory, Hardware Security, Introduction to Cybersecurity, Network Security, Software Development Essentials

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## 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.

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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 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.

- **Duosmium Results**                                                                                       *10/2020 – Present*
  - Develop a tournament scoring and results archive platform for Science Olympiad, a nationwide science competition, with 10,000 monthly active users.
  - Lead redesign of website using Express, SvelteKit, and PostgreSQL to improve user experience and performance.

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## Technical Skills

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