

# Shreyas Mayya

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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 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 – as part of a highly exclusive team. Services provided by the CSL include TJHSST's internally-developed intranet, web hosting, email, and cluster access.
    - Led a thorough modernization of the CSL's infrastructure, including procuring replacements for aging power supplies and servers, migrating the school to a new identity management platform, and designing an internal security model that effectively limits unauthorized access to systems and data.
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## Education

- **University of Virginia** **Charlottesville, VA**  
*Bachelor of Science, Computer Science* *8/2022 – Present*
    - GPA: 4.000/4.000
    - *Activities and societies:* Computer and Network Security, Association for Computing Machinery, Science Olympiad, Cavalier Symphony Orchestra, *The Cavalier Daily*
  - **Thomas Jefferson High School for Science and Technology** **Alexandria, VA**  
*Advanced Studies Diploma* *8/2018 – 6/2022*
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## Awards and Certifications

- **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, which won first place at the 2023 Mid-Atlantic CCDC regional tournament and placed fourth out of ten teams at the 2023 National Collegiate Cyber Defense Competition.
    - The competition involves defending an enterprise-scale network from highly skilled adversaries, performing business tasks, and interacting with company executives, employees, and clients.
  - **Amazon Web Services Certified Cloud Practitioner** *1/2023*
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## Projects

- **UVA Cyber Range** *4/2023 – Present*
    - Lead team of 30+ designing an OpenStack-based public cloud to support cybersecurity classes, research, and activities at UVA.
    - Current tasks include designing the cloud's architecture, selecting hardware, and securing \$100,000+ in funding.
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## Technical Skills

- **Highly Skilled:** Linux, Unix systems administration
- **Skilled:** Docker, Git, Java, Microsoft Excel, Python
- **Proficient:** Amazon Web Services, Ansible, Bash, C++, Django, ElasticSearch, JavaScript, Rust, SQL, TypeScript