Shreyas Mayya

8966 Birch Bay Cir, Lorton, VA 22079-5659

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

Experience

- **Thomas Jefferson High School for Science and Technology** Alexandria, VA
  Lead Student Systems Administrator *6/2021 – 6/2022*
  Student Systems Administrator *5/2019 – 6/2022*
  - Maintained and managed critical technology at the TJHSST Computer Systems Lab – including over 30 servers, 60 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.
  - Implemented an annual password reset requirement, reorganized TJHSST's DNS configuration, and led a technology refresh of the lab in collaboration with school and district IT professionals, effectively improving lab security and reliability.
  - Mentored junior team members and demonstrated a willingness to develop innovative solutions and handle sensitive operations, resulting in a promotion to Lead Student Systems Administrator for the 2021-22 school year.

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*
  - *GPA:* 4.435/4.000
  - *Activities and societies:* Science Olympiad, HackTJ, Marching Band, Latin Honor Society

Awards and Certifications

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

Projects

- **Iago: An Othello Player** *9/2022 – Present*
  - Built an Othello (or Reversi) player using Java and Gradle. Users can play games of Othello against each other or the computer via a terminal user interface, with work on a graphical user interface underway.
  - Implemented two-player adversarial algorithms and multithreading to provide AI Othello opponents of varying strengths.
- **Unix Shell** *8/2021 – 5/2022*
  - Designed and programmed a basic command-line shell for Unix systems using the Rust language.
  - Wrote technical report on project and presented at TJHSST's annual research symposium.

Technical Skills

- **Highly Skilled:** Linux operating systems and Unix systems administration; networking systems including Domain Name System (DNS) and Dynamic Host Configuration Protocol (DHCP)
- **Skilled:** Python and Java languages; Git version control tool; Ansible automation tool; Docker containerization software; Microsoft Excel spreadsheet software
- **Proficient:** Bash, C++, Ruby, Rust, and SQL languages; Django and Ruby on Rails web frameworks; Gradle build tool; Java unit testing with JUnit5 and Mockito testing suites; Amazon Web Services cloud platform