Aditya Vikram Singh

17 Eastman Lane, Amherst, MA 01003-9226
avsingh@umass.edu   (413) 409-1784

Summary Statement

Computer engineering student skilled in object-oriented programming, version control system management, and automated web testing. Experienced in liaising between team members, with strong communication skills.

Education

University of Massachusetts Amherst, MA 01003   *Anticipated May 2023*
Bachelor of Science in Computer Engineering
Chancellor's Award Scholarship

Relevant Coursework

Programming with Data Structures, Multivariate Calculus, Physics I & II, Calculus I & II, Introduction to Problem Solving, Introduction to Statistics

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Projects

"Valuto": Account Management System   *Aug 2018 - Nov 2018*
- Programmed the command-line interface in C++, for the creation and maintenance of financial statements generated by the system.
- Co-authored a project report of the system.
- Demonstrated the project in front of a visiting Russian delegation in high school.
- Worked in a team of 3 members, as the lead programmer and presenter.

"Ares": An Inflatable Habitation System   *Oct 2017 - Jan 2018*
- Created 2D structural outlines and 3D depictions using CAD of the inflatable habitats planned for deployment in rough Lunar and Martian environments.
- Prepared the rationale for structural design choices and dimensional calculations.
- Developed a proposal for pitching the project as a viable solution for space colonization.
- Worked in a team of 5 members, in the capacity of technical lead and graphic designer.

Work Experience & Leadership Roles

Student Council, Delhi Public School R. K. Puram - President   *Apr 2018 – Mar 2019*
- Oversaw student discipline and represented the students' interests.
- Liaised between students, faculty, and administration.
- Supervised the student-run events.

Aerospace Society, Delhi Public School R. K. Puram - Honorary Advisor   *Apr 2016 – Mar 2019*
- Mentored junior teams for aerospace competitions, during 12th grade.
- Participated in various space settlement design competitions, as a Structural Design Engineer.

TEDxYouth@DPSRKPuram – Lead Designer   *Apr 2018 – Mar 2019*
- Led the design initiative in creating banners, prospectus, ID cards, and certificates for the 2018 event.
- Coordinated with other departments of the organizing committee.

Technical Skills

C++, Java, Python, Selenium WebDriver, Git, Blender, Fusion360, Adobe Photoshop, Adobe Illustrator, Microsoft Office Suite.

Hobbies & Interests

Graphic designing, 3D-modelling, photography, general fitness, and hiking.