Hridiza Roy

Second Year Computer Science Student

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Education	**Rochester Institute of Technology (RIT)**, Rochester, NY
	Bachelor of Science (BS) in Computer Science, *August 2021 – May 2026 (Expected)*
	Bachelor of Science (BS) in Applied Arts and Sciences, *August 2021 – May 2026 (Expected)*
	Concentrations: ***Computer Graphics, Physics, Digital Film Production***
	GPA: 3.75/4.0	Honors Student	Dean's List
Skills	***Programming:*** C++, C, Python, JavaScript, Java, Node.js, CSS, ThreeJS, WebGL, OpenGL
	Other Tools: Maya, Adobe Premiere Pro, After Effects, Blender, Illustrator
	Other Skills: 3D Geometry, Linear Algebra, Ray Tracing, Shader Programming, Linux

Work Experience

RIT, Expressive Communication Center | Rochester, NY

Communications Consultant   August 2022 – Present
- Coach people in communication-related activities such as writing and delivering speeches and elevator pitches
- Specialize in helping people write technical speeches for a non-technical audience

RIT, Software Engineering Department | Rochester, NY

Course Assistant, Software Development and Problem Solving I   August 2022 – December 2022
- Assisted in teaching **Python** and concepts like **Test Driven Development, Documentation,** and **Version Control** to a class of 30 students
- Graded **500+** coding assignments and provided feedback including advice for **good practices** and **efficiency**

NextCorps | Rochester, NY

Technical Intern   October 2021 - May 2022
- Supported founders of Software Startups on their projects for Embark (Startup Incubator Program of NextCorps)
- Performed tasks including landing page development, quality assurance, plugin and integration research, responsive design research, database design, customer discovery interviews, video editing, and graphic design
- Invited by NextCorps as a student panelist at CollegeFEST 2022 to discuss working at a startup

Projects

Virtual Lab, *Personal Project*
- Developed a web-app simulating a 3D classroom using **HTML**, **CSS,** and **JavaScript** (No libraries/frameworks)
- Used **3D Vector Math** to implement movement, rotation, and the environment
- Project Walkthrough: https://youtu.be/FuJMjtBjFB8
- GitHub repo: https://github.com/hridizaroy/virtualLab, Hosted on http://www.hridiza.com/projects/virtualLab/

Vedant Jadia website
- Developed the portfolio website for Vedant Jadia (an Indian musical artist), hosted on https://vedantjadia.com/
- Technologies used: **HTML**, **CSS**, **JavaScript**, **Bootstrap**, **jQuery**

Volunteer Experience

Mentor, Society of Software Engineers, RIT | Rochester, NY   August 2022 - Present
- Tutor students and assist them in problem solving for software related courses (**C++, C, Python**, **Java**, **Git**)

Founder, Inter-disciplinary technology club | New Delhi, India   November 2019 – June 2021
- Founded Ryan International School's inter-disciplinary technology club, based on collaboration among different fields including **App Development, Robotics, 3D Modeling, Video Editing, and Music Production**
- Taught **C++** and **Web Development** to students in this club and managed **65+ club members**
- Organized a **community service event** for individuals from underprivileged sections of society
  - Trained a team of 10 individuals who gave **100+ children** lessons in technology free of cost

Achievements	***Winner,* Explainer Video Contest,** Adobe in a Box **|** January 2022
	***1st Place*, 33rd Annual RIT Public Speaking Contest,** RIT	December 2021
	- Speech video: https://youtu.be/_D_jXpBHIPY
	ATL Student Innovator Award Recipient, NITI Aayog (India)	November 2019
	- Awarded to students who have helped advance technological innovation in their community