

Surya Sharma

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PROJECTS

- **Artrie** – An Augmented Reality mobile application, programmed in Swift, for Art History and Architecture.
- **Zoo Management System** – A web application, programmed in HTML, CSS, and Javascript, to manage animals in a Zoo.
- **Meditation App** – A mobile application, programmed in Swift, for mediation and breathing exercises.
- **Club And Event Management** – A software, programmed in Java, that enables to manage events and organization within an institution.

EXPERIENCE

Research Assistant, Virtual Embodiment Lab, Cornell University (June 2024-Present)

- Working on projects related to artificial intelligence and virtual reality, exploring how these technologies can be used to treat trauma patients, assist visually impaired individuals, and other applications.

Web Director, The Ithacan

(Jan 2024 - Present)

- Maintain and optimize the website, ensuring a seamless user experience for around 10,000 monthly visitors
- Monitor website performance using analytics tools, generating monthly reports and achieving a 2-5% increase in page views monthly
- Integrate multimedia content, including videos, podcasts, and photo galleries, to enhance storytelling and increase user engagement

Summer Scholar, School of H & S, IC

(June 2023 - Present)

- Built an innovative iOS Augmented Reality mobile application for Art History and Architecture enthusiasts. Enables users to place 3D objects in real-time, enhancing the learning experience with interactive visualizations
- Developed a quiz feature that dynamically extracts questions from an API, providing an engaging and educational user experience. Integrated real-time location tracking, allowing users to view their current location within the app
- Programmed using Swift and various Apple frameworks, ensuring a seamless and efficient application performance.

Junior Web Developer, Information Technology, IC

(Aug 2022 - Present)

- Assist the Junior Web Developer team to design the layout for the Ithaca College Mobile Application, to enhance user experience and interface design
- Updated the Drupal documentation on the Ithaca College website, improving clarity and usability for site administrators and contributors.
- Work closely with cross-functional teams to ensure website updates meet the needs of diverse stakeholders across the college

Learning Coach, Tutoring & Academic Enrichment Services, IC (Mar 2022 - Present)

- Assist students with Mathematical and computational concepts of Calculus, Discrete structures, Web Development, Human-Computer Interaction, and Computer Organization and System Architecture.

Orientation Leader, New Student & Transition Program, IC (May 2022 - Aug 2023)

- Assisted over 800 new students in their transition to college life, providing guidance, support, and resources
- Managed logistical aspects of orientation, including scheduling, materials distribution, and venue setup, contributing to a 95% satisfaction rate among participants

EDUCATION

ITHACA COLLEGE (IC)

B.S. in Computer Science,

Minor in Mathematics

May 2025 | Ithaca, NY

GPA: 3.68/4

COURSEWORK

Data Structures and Algorithms

Linear Algebra

Computer Networks

Web Development

Human-Computer Interaction

Computer Organization

Applied Statistics

HONORS & AWARDS

- Peggy Peggy Ryan Williams Award for Academic and Community Leadership
- Pi Mu Epsilon | Honorary National Mathematics Society
- Newton Award | For top 5% students excelling in 100-level math courses
- Ramanujan Award | For top 5% students excelling in 200-level math courses

INTERESTS

Music • Fitness • Traveling

• Reading • Puzzles • Astronomy

VOLUNTEER EXPERIENCE

President, Girls Who Code College

Loop, IC, (Apr 2024 - Present)

- Organize events and sessions for students who identify as females and non-binary. Our club plans to attend and host conferences, hackathons, and mock interview sessions in the future.

Virtual Student Volunteer, Codefy,

Washington DC, (May 2022 - Jul 2022)

- Assisted students with web development from grade 5 to 9.