

Ishita Bhargava

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EDUCATION

WELLESLEY COLLEGE

Candidate for Bachelor of Arts in Computer Science

WELLESLEY, MA

Expected: May 2026

- **GPA:** 3.84/4.0, **Major GPA:** 4.0/4.0
- **Relevant Computer Science Coursework:** Data Structures, Algorithms, Natural Language Processing, Theory of Computation, Foundation of Computer Systems, Human-Computer Interaction, Extended Reality, Advanced Projects in Interactive Media, Combinatorics & Graph Theory, Linear Algebra

MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT)

Cross-Registered Student

CAMBRIDGE, MA

Feb 2024 – Present

- **GPA:** 4.0/4.0
- **Relevant Coursework:** Programming using Python, Tangible Interfaces, Design-Thinking & Innovation Leadership for Engineers

SKILLS AND INTERESTS

Technical: Git, GitHub, Figma, Unity, React, Pytorch, Photoshop, InDesign), JavaFX, MySQL, Canva, SPSS

Computer Languages: Python, Java, HTML, CSS, JavaScript, SQL, TypeScript, R, C#

Interests: Art, Photography, Writing, Travelling, Graphic Design, Badminton, Cricket, Theatre

RESEARCH PROJECTS

HOW SPATIALLY INTELLIGENT IS AI?

September 2025- December 2025

- Led an independent study investigating the extent of spatial intelligence in conversational AI through hands-on and benchmark-based experiments.
- Designed and conducted a benchmarking study using tasks inspired by kindergarten level spatial cognition. Evaluated multiple models for accuracy, speed, and consistency across text and image-based prompts.

SCAFFOLDING COMPLEX CHOICE MAKING

September 2025- December 2025

- Led a study examining how AI-guided interfaces can support effective decision-making in complex, multi-constraint tasks such as course registration.
- Contributed a framework for AI-assisted decision-support systems that prioritize transparency, agency, and deeper engagement in academic planning.

BIASES IN HUMAN-AI INTERACTION

January 2025- May 2025

- Conducted an independent study on how algorithmic bias and human cognition interact in AI-driven hiring systems.
- Identified how automation bias and over-trust can amplify social bias. Explored the concept of bias transfer: how biases can toggle between humans and AI through interaction

物の哀れ – TANGIBLE INTERFACES: BETWEEN TIME'S FINGERS

September 2024- December 2024

- Designed an interactive installation that invites participants to share personal stories about a loved one, fostering a sense of community through shared experiences.
- Created uniformly black, 3D-printed objects for each participant, serving as tangible representations of their stories within the communal display space which used haptic sensors to tell a story.

WORK EXPERIENCE

SPACE ENABLED GROUP – MIT MEDIA LAB

CAMBRIDGE, MA

June 2025 – August 2025

Undergraduate Research Intern

- Conducted comprehensive testing and debugging of gameplay functions to deliver a fully functional, competition ready Zero Robotics International Space Station (ISS) simulation environment
- Collaborated with NASA and the Space Enabled Group to integrate real-world robotics programming into the student competition platform
- Provided ongoing technical support to participating teams through weekly online forums, ensuring timely issue resolution

COMPUTER SCIENCE DEPARTMENT, WELLESLEY COLLEGE

WELLESLEY, MA

January 2025 - Present

Peer Tutor – CS 200, CS 220, CS 320

- Tutored students enrolled in CS 200 - Object Oriented Programming, CS 220 – HCI, CS 320 – Tangible User Interfaces
- Answered questions regarding course content and guided them through take home coding assignments.
- Evaluated student performances on a weekly basis and reviewed the course structure accordingly. This included altering the expected pace of the course as well as difficulty.

LEADERSHIP EXPERIENCE

GORDON-MIT ENGINEERING LEADERSHIP PROGRAM

CAMBRIDGE, MA

June 2025 - Present

Gordon Engineering Leader

- Participating in selective leader development program focused on being an effective member or leader of industry engineering teams
- Actively practicing leadership, teamwork, and communication skills in an engineering context; complementing MIT's technical coursework