

# YATEEKA GOYAL

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## EDUCATION

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### Georgia State University, Atlanta, GA, USA

Dec 2025

Dual Degree in Computer Science

#### Relevant Coursework

Computer Organization and Programming, System-Level Programming, Software Development (CTW), Data Structures, Probability and Statistics for Computer Science, Computer Networks, Operating Systems, Fundamentals of Cybersecurity, Programming Language Concepts, Calculus I, Calculus II, Linear Algebra I, Principles of Microeconomics, Theoretical Foundations of Computer Science, Software Engineering (async) (inprogress),

#### Fall 2025:

Mobile Computing and Wireless Network Security (in progress), Secure Software Engineering (in progress), Machine Learning (in progress) and Design & Analysis: Algorithms (in progress)

## SKILLS

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- Programming & Development: Python, HTML, CSS, MySQL, Java, Git, Linux/Unix Basics, C, GNS3, GitHub, Web Development
- Tutoring Platforms: Tutor Ocean, NetTutor, Google Classroom
- Academic Support Tools: Webex, iCollege, Ms Teams, Handshake
- Other Skills: Effective Communication, Collaborative Teamwork, Adaptability, Problem-Solving, Confidence, Self-Management, Customer Service, Testing and Debugging, Basic Project Management

## LEADERSHIP

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### New Student Orientation at GSU

May 2025 - Aug 2025

#### NSO Leader

- Served as the first point of contact for incoming students, representing the university with pride and enthusiasm.
- Led small and large group sessions, facilitating discussions and activities to build community and ease the transition to college life.
- Mentored new students on academic, social, and campus resources, ensuring a smooth onboarding experience.
- Collaborated with university staff and fellow leaders to coordinate logistics, manage large events, and resolve real-time challenges.
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### Girls who code - Hackers Organization

Jan 2025 - Aug 2025

#### HackHERS Organizing Team Member

- Collaborated with a dynamic, all-women team to plan and execute HackHERS, an inclusive and beginner-friendly hackathon aimed at empowering women and nonbinary individuals in tech.
- Contributed to end-to-end event coordination including logistics, scheduling, outreach, workshop planning, and sponsor engagement.

### GSU Panther Web Development Group

Jan 2024 - Jan 2025

#### Lead

- Actively facilitate partnerships and collaborations within the community.
- Drive recruitment efforts and engage with aspiring web developers.
- Lead initiatives to establish industry connections and create internship opportunities.

## PROFESSIONAL EXPERIENCE

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### University Assistantship Program

Jan 2024 - Present

#### Research Intern

- Engaged in research activities to contribute to ongoing projects within the Computer Science Department.
- Provided valuable support to faculty members and researchers in planning and execution of research tasks.

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## TRIO SS Services

Jan 2025 - Present

### Tutor/Academic Coach

- Provided personalized teaching in Computer Science subjects, including programming and data structures, through platforms Tutor Ocean, NetTutor, and Google Classroom to support first-generation, low-income, and students with disabilities.
- Facilitated online workshops, success coaching, and cursory academic advisement via Webex and iCollege, improving students' learning strategies and academic performance.

## Girls Who Code Mentor - Mentor Corps Program

Nov 2024 - Present

### Mentor

- Mentoring aspiring developers to promote inclusivity and diversity in tech.
- Facilitating technical and personal development sessions focused on coding, problem-solving, and teamwork.

## ACHIEVEMENTS

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### HackHers Girls Who Code 2nd Prize Winner

Jan 2024 - Dec 2024

- Developed 'BiasBreakers,' an interactive, AI-powered tool designed to tackle workplace bias.
- The platform focuses on identifying and addressing unconscious biases through interactive decision-making scenarios, helping users learn strategies for equitable behavior in professional settings.
- It emphasizes fostering inclusivity by offering feedback and resources that guide users to challenge biases effectively, promoting a fairer work environment.
- Check out the project: <https://devpost.com/software/biasbreakers>.

### GSU DEMO Day 2024 Winner (Undergrad Category)

- I have presented my project "Expert Detection" which involves finding a true expert in the Stack overflow website.

### HackHers Girls Who Code Winner

Jan 2023 - Dec 2023

- Developed 'Femora', a comprehensive platform aimed at supporting survivors of violence.
- This initiative focused on providing swift access to safe housing, legal resources, and a supportive community, prioritizing privacy and well-being.
- Emphasized the creation of a sanctuary that extends beyond shelter, offering legal aid and support to empower survivors towards a violence-free future.

## ACADEMIC PROJECTS

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### Georgia State University, CSC 6222

Jan 2023 - Dec 2023

- Investigated vulnerabilities in Java's `java.util.Random` using brute-force and adversarial attacks (FGSM, PGD) to expose its predictability.
- Demonstrated the risks of using Linear Congruential Generators (LCGs) in security-critical applications.
- Proposed and validated a secure SHA-256-based alternative, emphasizing the need for cryptographically sound entropy sources.

### FEMORA

Sep 2024 - Sep 2024

- Built a secure, discreet platform to support domestic abuse survivors with critical resources and real-time assistance.
- Prioritized user privacy and safety through anonymous access and minimal data retention.
- Centralized housing, legal, and emergency services to empower users in crisis situations.