

# RASHMI DAHIYA

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## EDUCATION

### Purdue University

Bachelor of Science in Computer Science Honors

GPA: 3.68/4.00

Expected Graduation: May 2024

Minor: Psychology

Certificates: Applications in Data Science | Learning Beyond the Classroom

Awards: Dean's List (Spring 2021) | Semester Honors (Fall 2020, Spring 2021)

Relevant Coursework: Data Structures and Algorithms | Computer Architecture | Programming in C | Discrete Math | Object-Oriented Programming (Java) | Multivariate Calculus

## TECHNICAL SKILLS

Languages: Java, C/C++, Swift, HTML/CSS, JavaScript, SQL, R, LaTeX

Dev Tools: Git, IntelliJ, XCode, VS Code, RStudio, Vim

DBMS: mySQL

## EXPERIENCE

### Undergraduate Student Board (USB) Helproom Tutor

Department of Computer Science, Purdue University

West Lafayette, IN

Jan 2022—present

- Tutor CS/DS freshmen in CS 18000 (OOP/Java), CS 193000 (Tools), CS 182000 (Discrete Math), and CS 24000 (Programming in C)
- Conduct weekly office hours to clarify students' doubts and assist them with questions or concerns regarding schoolwork or careers

Undergraduate Researcher | Forensic Analysis of TikTok Alternatives on Android and iOS Devices: Byte, Dubsmash, and Triller

West Lafayette, IN

Oct 2020—Apr 2021

- Extracted and analyzed forensic artifacts from Byte app on Android and iOS smartphones
- Ran SQL queries on databases retrieved in Magnet AXIOM to obtain useful information on artifacts
- Studied existing literature and contributed five literature reviews to research paper
- Received an honorable mention at the Women in Cybersecurity Conference (2021)

## PROJECTS

### Dancem8: AI-Based Dance Assistant | JavaScript, Tensorflow.js, HTML, CSS

Aug 2020

- Developed a web app that compares user's dance pose to a professional dancer's pose and suggests qualitative feedback
- Applied Tensorflow's Pose Estimation model and wrote a custom algorithm to normalize and compare the pose
- Pitched the project at Hello World 2020, received an honorable mention

Project Link: <https://devpost.com/software/dancem8>

### !Twitter: Social Networking Application | Java, JUnit, Markdown

Dec 2020

- Developed a GUI-based app that allows users to make text posts to share their thoughts and ideas seamlessly in real-time through concurrency, file I/O, and socket handling
- Wrote documentation and JUnit tests for testing implementation

## EXTRACURRICULAR INVOLVEMENT

### Women in Cybersecurity: Purdue Chapter | Social Outreach Manager

Jan 2022—present

- Coordinate and stay up-to-date on campus outreach and event sign-ups
- Schedule and organize social events throughout the semester
- Coordinate cross-club activities

### b01lers (Purdue CTF Team) | Member

Jan 2021—present

- Play CTFs every weekend and work on solutions and write-ups with club members
- Develop challenges for Purdue's annual public CTF

### Global Science Partners | Peer Mentor

Aug 2021—present

- Guide and support first-year students with their adjustment to their new academic and social environments
- Follow up on mentees' progress on a regular basis