

ANUPAM KHARGHARIA

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EDUCATION

Trinity College

B.S in Computer Science with a Minor in Applied Mathematics and Music

GPA— 3.7/4.0

Expected May 2026

Coursework: *Data Structures and Algorithms, Intro to Computing (Object Oriented Programming), Calculus II; (Currently): Intro to Computing Systems, Software Design, Math Foundations of CS (Discrete Math)*

WORK EXPERIENCE

Research Assistant

January 2023 - Present

NSF Funded— Trinity College & the University of Connecticut (R1 Research Institute), CT

- Improved web security and reduced phishing by over 80% by developing a browser extension based on SSL/TLS web-certificates using **HTML, CSS, and JavaScript**.
- Led meetings for the research group. Utilized Lucidchart & Figma for prototypes, wireframes and design schema.
- Designed security tutorials & usability studies for non-technical audiences and composed software documentation.

Teaching Assistant

August 2023 - Present

Data Structures and Algorithms course, Trinity College, CT

- Led **Java** programming sessions for 20+ students and assisted in grading.

IT Desk Student Consultant

September 2022 - Present

Trinity College, CT

- Resolved 300+ IT tickets through phone calls & on-site visits for students, staff, & faculty.
- Created guides and walk-through tutorials on framework/language setups, sign-ins and password resets, video conferencing software, Moodle (LMS), and college network and VPN access.

PROJECTS

Web Scraper & Course Scheduler Database | *HTML, CSS, Python, BeautifulSoup, pandas, SQL* Independent Project

- Created a 5-entity relational database and design schema for the scheduler using SQL; wrote SQL queries.
- Created a web scraper using BeautifulSoup and Pandas to extract & save course data from dynamic pages as .csv.

Usable PKI Browser Extension | *HTML, CSS, JavaScript*

Research Project

- Implemented `.getSecurityInfo()` API function in the extension to retrieve SSL/TLS certificate information.
- Enhanced user-experience by designing the program logic in phishing site detection using Public Key Infrastructure.

CloseBuy: Sustainable E-commerce App | *Flutter, Dart, Android Studio*

Hackathon Project

- Developed an e-commerce Android app model using Flutter for colleges to promote sustainable shopping.
- Implemented the OpenStreet map library. Designed the app wireframe and interaction map using Figma.
- Recruited members for the team and led and managed the team throughout the hackathon.

LEADERSHIP POSITIONS & HONORS

- **Awards:** Faculty Academic Honors, Full-ride Presidential Scholarship: Trinity College
- **Vice President, ACM College Chapter:** Oversee operations & work with industry experts to host events.
- **Tech Educator, Abakash Majuli NGO:** Taught a 3-month coding course to marginalized students.
- **2x First Author:** Trinity College Science Symposium Cybersecurity Poster
- **Residential Advisor:** Manage 60 residents in a college housing. Conduct nightly rounds & safety checks.
- **Student Mentor:** Mentored 4 students at Trinity College through the Office of International Students.
- **General Body, The Mill Music House:** Volunteered for organizing concerts & maintaining the venue.

SKILLS

Languages: Java, Python, HTML, CSS, JavaScript, Dart, SQL

Technologies: BeautifulSoup, Pandas, Flutter, JSON, Git, JUnit, Gradle, Linux Shell, Kanban (Agile), Figma, Adobe Creative Suite, Microsoft Visual Studio, Android Studio, IntelliJ IDEA, Microsoft Office Suite, Google Workspace

Hobbies: Music (Digital Production, Piano, Guitar); Design (Illustrations, 3D Modelling - Blender); Soccer