

# Nawal Bhatti

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## EDUCATION

**Cornell University**  
*B.S Information Science*

**Ithaca, NY**  
*Class of 2026*

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## TECHNICAL SKILLS

**Languages:** HTML, CSS, JavaScript, Python, Java, PHP, SQL, MATLAB

**Programs:** JIRA, Eclipse, phpMyAdmin, GitHub, Replit, MAMP, WordPress, Jupyter Notebook, Pytorch, Adobe Premiere Pro, Microsoft Office Suite, Photoshop

**Other skills:** Front/Back-End Development, API Integration, Advance Research, Data Entry, Video Mixing, Live Camera Shooting

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## PROFESSIONAL EXPERIENCE

**Annual Farm Show Complex Event (Harrisburg, PA) | IT Volunteer**

**07/2017- Present**

- Developed and managed Salesforce registration system, improving attendee registration and data management, while collaborating with software engineers to increase permissions by 50%
- Managed microphone checks, professional camera recordings, and projections for large-scale events with 5000+ attendees
- Created and presented a final proposal that effectively addressed technical complexities and improved user efficiency for clients participating in large-scale events via a flexible search log

**Google Computer Science Research Mentorship Program (CSRMP) | Mentee**

**01/2023 - 06/2023**

- Selected as one of Google CSRMP Scholars from a highly competitive pool of ~1000 applicants in North America
- Researched and developed scalable solutions for the Future of Chips & Web App Development, in close collaboration with the technical engineering team
- Tested M1 and iCore 7 chips, analyzed MAMP speeds, and conducted diagnostics while effectively communicating complex technical solutions to non-technical audiences

**CodeFuture | Founder and Tutor**

**06/2022 -05/2023**

- Created a program offering complementary large-group sessions (20-50 students) and paid individual instruction
- Developed projects for over 100 students to learn Python, HTML, and Scratch programming
- Tutored children ages 7 to 12 in Scratch programming, delivering both basic and advanced lessons

**Google Computer Science Summer Institute (CSSI) | Scholar**

**07/2022 - 08/2022**

- Analyzed and documented workflows, and dependencies for the To-Do list project, paving the way for potential production integration
- Detailed use cases, workflows, and dependencies were analyzed and documented meticulously for the To-Do list project
- Presented final project with four other peers to Google and community, received immersive and practical feedback

**VomaSmart | Full Stack Intern**

**09/2021 - 05/2022**

- Enhanced website quality and user efficiency by 40% for over 20 clients through comprehensive front/back-end development
- Updated websites with PHP, HTML, CSS, and WordPress, aligning with client projects and integrating registration systems
- Integrated MAMP servers, WordPress plugins, and JIRA for task management, optimizing backend flexibility for enhanced client efficiency, including the successful launch of an improved volunteer site

**Junior Reserve Officer Training Corps (JROTC) | Cadet Captain Public Affairs Officer**

**09/2018 - 05/2022**

- Led JROTC recruiting initiatives, utilizing strategic event photography to bolster program visibility and engagement, resulting in a documented increase of over 2,000 event photos
- Collaborated with a diverse team of 15+ chain of command members to orchestrate and execute impactful battalion events, fostering an inclusive and engaging environment for potential recruits
- Managed the JROTC's social media platforms, strategically cultivating the program's online presence on Instagram and Twitter, leading to a substantial increase of over 100 followers and widespread program awareness nationwide

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## TECHNICAL COURSES AND PROJECTS

**Online Courses:** Intro to HTML and CSS, SQL and GitHub, Data Structures and Algorithms

**Certificates:** Intro to Python, Google IT Automation, Udemy Python Bootcamp from Zero to Hero

**Clubs:** Cornell Geodata Project Team - Tech Sub team

**Scheduling and To-Do List Website - Google CSSI**

- Developed a website enabling users to add/delete events through a calendar.
- Integrated a JavaScript, CSS, and HTML based To-Do list to track users' work.

**The Future of Chips and its Relationship with Web Application Development – Google CSRMP**

- Conducted research on MacBook M1 chip vs. Intel Core i7 Chip with data analysis
- Explored future advancements in chips, considering new materials, purposes, and structural changes.

**Currency Exchanger and Alien Invader – Cornell University CS 1110 Introduction to Computing using Python**

- Implemented a Python currency exchange module with iterative core functions and created a user interface script for currency conversion
- Developed a Space Invaders clone with animation, collisions, and additional features