Muhammad Chaudhry

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EDUCATION

Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science
Bachelor of Science in Computer Science, Dean's List   *Expected May 2026*
Relevant Coursework: Data Structures and Algorithms, Computer Architecture, Discrete Math, Web Dev, SQL, Statistics

TECHNICAL SKILLS

Programming Languages: JavaScript, C++, Python, PHP, MySQL
Tools/Frameworks: HTML/CSS, Vue.js, React.js, Express.js, MongoDB, Node.js, Git, jQuery, Google Cloud Platform
Spoken Languages: English, Urdu/Punjabi (Native), Hindi (Fluent)

PROFESSIONAL EXPERIENCE

Unadat, *Software Engineer Intern*   **February 2024 - April 2024**
- Enhanced the UI for user profiles and developed a new goals and milestones page, improving goal tracking, reducing clutter, and contributing to a robust codebase for a more pleasant user experience
- Automated the addition of milestones to goals upon creation, using foreign keys to link milestones to goals accurately
- Utilized Git to merge and test code from five teams, ensuring seamless integration and functionality
- Reduced development downtime from 90 seconds to 6 seconds by automating the deployment process, and minimizing manual tasks

Hunter College School of Education, *IT Assistant*   **August 2022 - December 2022**
- Provided comprehensive help desk support to over 500 graduate students and professors in the School of Education, offering troubleshooting assistance with laptops, desktops, projectors, and microphones
- Facilitated the configuration and deployment of 120+ MacBooks to School of Education students

PROJECT EXPERIENCE

PillPal, *Won **Best Use of Google Cloud** at SBUHacks*   **February 2024**
- Developed a mobile app using a MERN stack (MongoDB, Express, React Native, Node.js) to assist users in understanding and managing their medications, inspired by the challenges faced by elderly and non-English-speaking family members
- Enabled users to scan prescription bottles with their phone's camera, retrieving information on medication purpose, dosage, and personalized advice based on medical history, simplifying medication management
- Overcame UI/UX design challenges to create an interface that was easy to use with support for 10+ languages, large text fonts, visual buttons, and text-to-speech playback ensuring accessibility for diverse demographics
- Integrated Google Cloud Vision API for image recognition, Google Cloud Text-to-Speech API for audio feedback, and OpenAI's ChatGPT 3.5 API for personalized medication advice

Lowballd, *Full-Stack Project*   **December 2023 - February 2024**
- Created a feature-rich social media and e-commerce platform from scratch, enabling users to easily create content and engage with other users by liking and commenting on posts and following them as well
- Built a backend database using Express.js and MongoDB and utilized Auth0 and Vue.js to create a secure login system, providing a scalable foundation for our platform which achieved 100 users in the 1st week
- Created 5+ models and 20+ backend services for user data which enabled user profile customization

Anchor, *Chrome Web Extension at HackPrinceton*   **November 2023**
- Collaborated in a team of four to create an extension geared towards productivity and helping users combat low attention spans
- Implemented functionality to generate subtasks and actionable steps for tasks using OpenAI, creating a dynamic checklist
- Integrated a task-specific "zone" feature, blocking irrelevant tabs and content to keep users focused on their designated tasks, addressing real-world productivity challenges faced by students

LEADERSHIP EXPERIENCE

Computer Science Club at Hunter College, *Vice President*   **August 2023 - May 2024**
- Developed a newly founded community of computer science students through leading technical development workshops, sharing internship opportunities, and facilitating networking