Muhammad Chaudhry

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EDUCATION

Binghamton University, Binghamton, NY   **May 2026**
B.S Computer Science, Minor in Math, Dean's List
Notable Coursework: Data Structures and Algorithms, Computer Architecture, Discrete Math, Web Dev, SQL

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 version control tools to merge and test code from multiple 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 on various technical issues.
- Facilitated the configuration and deployment of MacBooks to School of Education students.

PROJECTS

PillPal - *Won **Best Use of Google Cloud** at SBUHacks*   **February 2024**
- Developed a mobile app 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 multi-language support, 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.
- Utilized Auth0 and Vue.js to create a secure login system. Built a backend database using Express.js and MongoDB, 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 to streamline the user experience and enable the user to customize their profile.

Anchor - *Chrome Web Extension at HackPrinceton*   **November 2023**
- Worked together in a team of 4 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 within the extension.
- 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.

EXTRACURRICULAR ACTIVITIES

Computer Science Club at Hunter College - *Vice President*   **August 2023-May 2024**
- Led technical Web Dev workshops with the Tech Lead allowing beginners to learn crucial technical skills.

SKILLS

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