

# Prakshal Jain

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## EXPERIENCE

**Software Developer Intern: MemoryFox, Buffalo, NY – May 2021 to Aug 2021**

- Developing algorithms, API, and setting up MySQL database to process data from the users.
- Implementing designs for the User Interface using ReactJs.
- User interaction rate increased by 32.5%, and satisfaction rate increased by 44% with the new changes.

**Student Programmer: University at Buffalo, Buffalo, NY – Feb 2021 to Present**

- Programming perceptual experiments for the Dept. of Communicative Disorders & Sciences using JavaScript (MERN) and multi-channel sound analysis etc. using Python (PsychoPy and sounddevice).
- With the new experiment setup, participation rate increased from 25 participants to 220 participants per week. Analysis time per participant was reduced from around 45 min. to 4 min.

**Teaching Assistant: University at Buffalo, Buffalo, NY**

1. CSE 250 (Data Structures) – Aug 2021 to Present
  - Conducting recitations, office hours, checking homework and tests, and writing test scripts for programming assignments automated checking for total class size of 100 students.
2. CSE 199 (UB Seminar) – Aug 2020 to Dec 2020
  - Tutored students and graded weekly homework and taught recitations for 3 Computer Science classes with size of 93 students.

**Research Assistant: University at Buffalo, Buffalo, NY – Mar 2020 to May 2021**

- Wireframing, prototyping, documenting, and developing the website and multiple in-site portals for the Computing for Social Good organization from the ground on.
- Bash Scripting to automate upload process and data synchronization for the team and developing a tool to analyze, manage, and store research data for machine learning system to help in providing services to more than 20,000 youth who annually age out of foster care without rejoining their families.

## EDUCATION

**University at Buffalo – Bachelors in Computer Science, May 2023**

- **GPA:** 3.897 (*Dean's List Academic Excellence Award*)
- **Honors College**
- **Vice President and Scholar, Tau Beta Pi (Chapter: New York Nu)**

## SKILLS

- **Programming Languages:** Python, Javascript, SCALA, C, C++, jQuery, PHP, Bash, MIPS
- **Tools and Libraries:** React Native, Vue.js, MongoDB, Express.js, ReactJs, NodeJs, Tensorflow, OpenCV, Django, HTML5, CSS/SCSS, Jekyll, PsychoPy, jsPsych, MySQL, Linux
- **Interpersonal Skills:** Leadership, Teamwork and Management, Problem Solving, and Critical thinking.

## PROJECTS

- **Zeal:** A teammate search platform for hackathons and startups using AI. To be launched among 600 participants.
- **Reactive:** An open-source browser based video editing platform. Reached 834 downloads in a single day.
- **CodeAura:** Initiator & lead of 15 team members building an immersive collaboration platform for developers.
- **Viable:** A platform to encourage students' participation towards a more sustainable world.