

EDUCATION

- **University of Southern California** Los Angeles, CA
Master of Science in Computer Science *Aug. 2021 – Dec 2022*
- **Guru Gobind Singh Indraprastha University** Delhi, India
Bachelor of Engineering in Computer Science; GPA: 3.66 *Aug. 2014 – May 2018*

PROGRAMMING SKILLS

- **Languages** Python, JavaScript, Java, C++
- **Databases** MySQL, MongoDB, DynamoDB
- **Frameworks** React Native, Android, Angular, Flask, Node.js, MapReduce, CUDA, GCP, AWS, Unity, Jenkins, GitLab, Postman, Figma

EXPERIENCE

- **CSI-Cancer, USC** Los Angeles, CA
Research Assistant *Sept 2021 - Feb 2022 (6 mos)*
 - Worked closely with a team of medical researchers to revamp existing Android and iOS native mobile applications based on Java and Swift, used by patients and caregivers to record and monitor health updates for a clinical trial on cancer
 - Responsible for the upkeep of backend APIs in Java, AWS deployment, and resolution of production issues
- **Flipkart** Bangalore, India
Software Engineer *Jul 2018 - Jul 2021 (3 yrs)*
 - Developed features for the merchant onboarding Android application that contributed to 8% of the revenue and managed sprints in monthly scheduled rotations
 - Designed an intuitive map library for controlling custom features such as markers, polygons and animations along with search and geocoding APIs using Mapbox GL and Mapbox SDKs for Android
 - Migrated the legacy codebase to GCP cloud storage in order to have scalable and highly-available systems and to achieve reduced latency, shorter load time and performance improvements across the app
 - Built a UI toolkit called Duplo that acts as a wrapper on most of the React Native components and enriches them by adding extra functionality for web and mobile with customizable icons written in TypeScript and based on material design guidelines
- **Metvy** Gurgaon, India
Mobile Application Developer *Sept 2019 - Feb 2020 (6 mos)*
 - Architected and built the mobile application from scratch for a hyperlocal networking platform using React Native
 - Integrated features such as real-time chat and video call capability using QuickBlox and multi-linguality to improve competency in the native languages via localization scripts

PROJECTS

- **EDFS | Flask, JavaScript, MapReduce, GCP** A partition-based map and reduce on data stored on an emulation-based system (HDFS) to perform search/analytics from a web interface
- **Parallel Genetic Algorithm based TSP | Python, CUDA** A dynamic crossover based on Hadoop and designed with the performance analyzes of sequential and parallel genetic algorithm to solve travelling salesman problem
- **Mazematician | C#, Unity, WebGL** A maze game where one combines point balls to reach a goal threshold on a map with barriers and distributed colored balls
- **Ring-O | Python, Java, Android, BLE** A hardware device that resembles an ordinary ring but captures gesture controls for IoT devices and honors text input by drawing letters in the air
- **Pollut | JavaScript, React Native, Android, iOS** An app that calculates trees to be planted in order to neutralise the carbon footprint emitted by one's Uber rides or personal vehicle and redirects donation to CarbonFunds.org

LEADERSHIP & ACHIEVEMENTS

- **IEEE Student Chapter | President** Indraprastha University, 2017
- **MHacks 9 | Runner Up** University of Michigan, MI, Mar 2017
- **Alexa Challenge | Winner** Amazon, India, 2017