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AKSHAT JAIN

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EDUCATION

Berkeley, CA **University of California, Berkeley** **May 2022**

- *Bachelor's in Computer Science*, Cumulative GPA: 3.5/4.0
- Coursework: EECS 16a/16b: Designing Systems, CS 61a/61b/70: Comp Programs, Algorithms, Discrete Math
- Extracurricular: IEEE, Berkeley Mobile
- Teaching advanced Python/Java as a part-time Student Instructor at Juni Learning

EMPLOYMENT

Undergraduate Research Assistant **University of California, Berkeley** **Jan 2020 –**

- Building the full-stack web application with MEAN architecture and responsive UI design.
- Coordinating with algorithms team, industrial remote team (database), and chemical team (product) to properly consolidate all features and business logic.

Lead Developer **Berkeley Mobile (Extra-Curricular)** **Sep 2019 –**

- Revamping Berkeley's official campus app to a newer cross-platform UI friendly technology (React Native).
- Leading the redesign and implementation efforts, focusing on feedback as provided by user research and usability testing.

Software Engineering Intern (Part-Time) **Wymbo, Inc.** **Sep 2019 – Dec 2019**

- Solved pertinent issues relating to event creation bugs and solution of edge cases on the ReactJS website.
- Solved blocker for Firebase and Live Reload dependency issues in React Native for the Android version leading to a successful initial release.

Software Engineering Intern **Hewlett Packard Enterprise** **Jun 2018 – Aug 2019**

- Built analysis reports of open source vulnerabilities with VB/JavaScript; reduced time from quadratic to logarithmic.
- Developed a "customer profile report" with Node.js which provided usage information of an internal application gathering additional funding.
- Created a CRUD desktop GUI with Python (Tkinter) to manage sensitive product data and wrote a script to automate its data cleansing, saving 2 hr/week of tedious manual labor.

PROJECTS

- **Memory Bank** (2019). A Facebook Messenger Bot that provides analytics within a messenger group. Node.js, Dialogflow, Botbuilder. *Presented at Microsoft MiniBot Hackathon*
- **Choices** (2019). An iOS and Android app which recommends menu items to try from an image of a menu based on their taste palette and restaurant reviews. React Native, Python (Flask), GCP. *Presented at CalHacks 6*
- **Close Cash** (2019). A peer-to-peer ATM System with bank-like security that match tellers to receivers. MongoDB, Express, React Native, Node.js. ***Awarded Best Financial Hack at HackRice 9*.**
- **Steel Talon Robotics** (2016-2019). An FRC high school robotics team where I led the team in autonomous motion path planning and vision processing. Java, Python. ***Awarded 1st Place at FIRST Texas Competition***
- **Contest Management System** (2018). A tool to manage local CS contests which evaluates Java submissions, handles judging and streamlines concessions. PHP, MySQL, Java.

CERTIFICATIONS, LANGUAGES AND TECHNOLOGIES

- *Intel Edge AI Scholarship Foundation, Google Cloud Platforms: Core Infrastructure*
- Python, Node.js, React, React Native, Java, HTML, CSS, Angular.JS, Express, MongoDB, SQL, PHP, VB.NET, C++
- Git, Jira (Agile), Firebase, Android Studio, Visual Studios, PID, OpenCV, Raspberry Pi