

# BENITA REGO

San Jose, CA 95134 | [regobenita26@gmail.com](mailto:regobenita26@gmail.com) | +1 (669) 388-1662 | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

## EDUCATION

### Master of Science, Computer Science and Engineering

September 2021 - June 2023

**Santa Clara University** – Santa Clara, CA

GPA: 3.6/4

*Relevant Courses: Design & Analysis: Algorithms, Mobile App Development, Independent Study, Cloud Computing, Machine Learning*

### Bachelor of Engineering, Computer Engineering

August 2017 - June 2021

**University of Mumbai** – Mumbai, India

GPA: 3.82/4

*Relevant Courses: Data Structures, Database Management Systems, Big Data Analytics, Object Oriented Programming, Web Technology*

## EXPERIENCE

### SCU Frugal Innovation Hub | Student Developer

Santa Clara, CA | Feb 2022 - Jun 2022; Sept 2022 - Apr 2023

- Collaborated in a team of 3 on building hybrid based web and mobile applications using Android, Flutter and React frameworks along with local storage to work on internet free environments for countries in Africa, Asia and Latin Americas.
- Prototyped high fidelity UI prototypes with Figma to provide overview of the wireframes and material components of the apps.

### Intuitive Surgical Inc. | Software Engineering Intern

Sunnyvale, CA | June 2022 - September 2022

- Functioned in the Core Technology Engineering (CTE) team on customization, testing and delivery of internal applications using React frameworks and TypeScript to increase the consistency by around 81% and aid in the development of prototype.
- Orchestrated brainstorming sessions with cross-functional team members to identify UX and UI features required for a new product, collaborated with designers and developers to mock up and implement final code.

### Origin Cloud Technologies | Mobile Application Developer Intern

Chennai, India | June 2020 – July 2020

- Devised a Flutter based application, similar to Handshake for college students and companies that significantly improved the hiring process by 70% and user interface, stored in Cloud Firestore and authentication in Firebase.
- Enhanced the performance of the app by structuring the layouts on Figma along with implementation and documentation.

## PROJECTS

### FlexPay - University Payment Application

March 2023

- Devised a hybrid application that allows students with internal transactions using university flex points which include deposit, withdrawal and peer-to-peer transfer, stored in MongoDB and hosted on Oracle Cloud Infrastructure.
- Enabled MFA authentication for student ID and email encryption with Node.js - Express, endpoint access from the server side.

### WorkIt - Health and Fitness Application

November 2021

- Developed an Android app with animation that tracks health and detects food items using OpenCV with efficiency of 91.3%.
- Constructed a fitness tracker, stored in Realm local db and Firebase, suggesting gyms in map integrated using Google Maps API.

### Social Media Analysis for Mental Health Evaluation

May 2021

- Designed an application that analyses users' mental state utilising social media from their API using Deep Learning CNN model integrated using Flask which gives an accuracy of 89.28% and negative alerting using Twilio with Firebase storage.
- Created a medical chatbot using DialogFlow with 92% efficiency, further showing medical services using Google Maps API.

## SKILLS

**Languages:** JAVA, Python, C, Dart, HTML, CSS, JavaScript, TypeScript, Kotlin

**Web & Mobile Technologies:** Flutter, Android, React.js, React Native, Vue.js, Chakra-UI, Material-UI, Bootstrap, Flask, Node.js

**Databases:** SQL, SQLite, NoSQL (Firebase, MongoDB), JDBC, AWS, Oracle Cloud

**Platforms/Tools:** Android Studio, Figma, JIRA, BitBucket, Mural, Git, VSCode, Postman, Microsoft Office, REST APIs, ML, OpenCV

**Soft Skills:** Effective Planning, Flexibility, Public Speaking, Leadership, Creativity

## ACCOMPLISHMENTS AND INVOLVEMENT

- **Published a technical paper** - Benita Rego, Nolita Rego, Mohit Kunder, "Social Media Analysis for Mental Health Evaluation" *IJRASET*, ISSN: 2321-9653, pp. 1453-1460, Volume 9 Issue IV Apr 2021 <https://www.doi.org/10.22214/ijraset.2021.33962>
- **Conducted Workshop** - Flutter: Mobile App Development for High School Students in Santa Clara, CA.
- **Technical Support** - 2022 IEEE GHTC, <https://ieeeghtc.org/>; **Media Systems Assistant** - Santa Clara University
- **Mentor** for UnScript 2022: National Level Hackathon, India; **Public Relations Head & Webmaster** - CodeLabsCRCE
- **Built various systems** during DMCE Hackathon, (Internal) Smart India Hackathon 2020, Synergy Hackathon