

BENITA REGO

Santa Clara, CA 95050 | brego@scu.edu | +1 (669) 388-1662 | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

EDUCATION

Master of Science, Computer Science and Engineering

Santa Clara University – Santa Clara, CA

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

Expected June 2023

GPA: 3.63/4

Bachelor of Engineering, Computer Engineering

University of Mumbai – Mumbai, India

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

August 2017 - June 2021

GPA: 3.82/4

EXPERIENCE

SCU Frugal Innovation Hub | Student Developer (Part Time)

Santa Clara, CA | February 2022 - Present

- Collaborating in a team of 3 on web and mobile applications using Android, Flutter and React with local storage to work on internet free environments for countries in Africa, Asia and Latin Americas.
- Designing high fidelity UI prototypes using 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.
- Planned out the UX and UI features with team members including mocking things up in Figma and final code implementation.

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.
- Structured the layouts on Figma along with implementation and documentation, improving the performance of the application.

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

LEADERSHIPS 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