BENITA REGO

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EDUCATION

Master of Science, Computer Science and Engineering *Expected June 2023*
Santa Clara University – Santa Clara, CA

Bachelor of Engineering, Computer Engineering *August 2017 - June 2021*
University of Mumbai – Mumbai, India
Relevant Courses: Data Structures, Design & Analysis: Algorithms, Mobile App Development, Database Management Systems, Machine Learning, Object Oriented Programming, Independent Study

EXPERIENCE

Intuitive Surgical Inc. **Sunnyvale, CA**
Software Engineer (Internship) *June 2022 - September 2022*
- Functioned in the Core Technology Engineering (CTE) team on customization and delivery of internal applications using React frameworks and TypeScript to increase the consistency overall 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.

SCU Frugal Innovation Hub **Santa Clara, CA**
Student Developer (Part Time) *February 2022 - June 2022*
- Operated in a group of 3 on apps using Android, Flutter and React with local storage to work on internet free environments.
- Designed wireframes using Figma to provide overview of the UI and specify the material components of the application.

Origin Cloud Technologies (Stack Nation) **Chennai, India**
Mobile Application Developer (Internship) *June 2020 – July 2020*
- Created 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

Social Media Analysis for Mental Health Evaluation *May 2021*
- Designed a Flutter based mobile app 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.

Human Action Recognition Application for House Monitoring *April 2020*
- Devised a Bootstrap-built web application that detects individuals living at their residence, for any suspicious behaviour using OpenCV, alerting person monitoring on WhatsApp using Twilio, from anywhere, recording activities with 81.28% accuracy.

Event Management and Organisation Portal for NGO *October 2019*
- Developed a web application using Vue.js where contents related to the organisation is displayed as well as registering as a volunteer, staff with volunteer management and event creation stored in Firebase, many more features are provided.

SKILLS

Languages	Java, Python, C, Dart, HTML, CSS, JavaScript, TypeScript, Kotlin
Web & Mobile App Technologies	Flutter, Android, React, Vue.js, Chakra-UI, Material-UI, Bootstrap, Flask, Node.js
Databases	SQL, SQLite, NoSQL (Firebase), PHPMyAdmin, JDBC
Platforms/Tools	Android Studio, Figma, JIRA, Mural, Git, Postman, Microsoft Office, REST API, 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/
- **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