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

EXPERIENCE

Intuitive Surgical Inc.   **Sunnyvale, CA**
Software Engineer (Internship)   *June 2022 - Present*
- Currently working in the Core Technology Engineering (CTE) team on customization and delivery of internal applications to increase the consistency overall and aid in the development of prototype.
- Programming work plans of collaborative medical robots for redesigned internal applications to fit end user requirements.

SCU Frugal Innovation Hub   **Santa Clara, CA**
Student Developer (Part Time)   *February 2022 - June 2022*
- Operated in a group of 3 on building mobile and web applications with local storage to work on internet free environments.
- Designed wireframes to provide overview of the user interaction and specify the material components of the application.

Stack Nation   **Chennai, India**
Mobile Application Developer (Internship)   *June 2020 – July 2020*
- Pioneered a mobile app, similar to Handshake for applicants and companies, significantly improving the hiring process by 70%.
- Structured the layouts along with implementation and documentation for improvement in the performance of the application.

PROJECTS

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 a mobile app that analyses users' mental state utilising social media API using CNN model, which gives an accuracy of 89.28% and negative alerting using Twilio with real-time 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.

SKILLS

Languages	Java, Python, C, Dart, HTML, CSS, JavaScript, 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.
- **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