BENITA REGO

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EDUCATION

Master of Science, Computer Science and Engineering   *Expected June 2023*
Santa Clara University – Santa Clara, CA   **GPA: 3.63/4**
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 (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

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

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 through home-installed camera 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 in a team of 2 where contents related to the organisation is displayed with registration for volunteers and staff along with event management is maintained, structured event creation available to the admin.

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), PHPMyAdmin, JDBC, AWS
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