BENITA REGO

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EDUCATION

Master of Science, Computer Science and Engineering — *Expected June 2023*
Santa Clara University – Santa Clara, CA — GPA: 3.6/4.0
Courses: Design & Analysis: Algorithms, Mobile App Development, Network Technology, Wireless & Mobile Networks

Bachelor of Engineering, Computer Engineering — *August 2017 - June 2021*
University of Mumbai – Mumbai, India — GPA: 3.82/4.0
Courses: Data Structures, Database Management Systems, Machine Learning, Object Oriented Programming

EXPERIENCE

Intuitive Surgical, Inc. — **Sunnyvale, CA**
Software Engineer (Internship) — *June 2022 - Present*
- Working on development of the lighthouse application oriented towards time scheduling and booking of labs on campus.
- Currently building features using React- Query, Router with Table, Chakra-UI and Vite.

SCU Frugal Innovation Hub — **Santa Clara, CA**
Student Developer (Part Time) — *February 2022 - June 2022*
- Working in a team 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 user interaction and specify the material components of the apps.

Stack Nation — **Chennai, India**
Mobile Application Developer (Internship) — *June 2020 – July 2020*
- Created a Flutter app, similar to Handshake for college students and companies that significantly improved the hiring process by 70%, stored in Cloud Firestore and authentication in Firebase.
- 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 Java 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 Flutter app that analyses users' mental state utilising social media 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 100% 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 with 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 - Testing & Frameworks, React, Vue.js, Material-UI, Bootstrap, Flask
Databases	SQL, SQLite, NoSQL (Firebase), PHPMyAdmin, JDBC
Platforms/Tools	Android Studio, Figma, 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