NOLITA REGO

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EDUCATION

Santa Clara University   **Santa Clara, CA**
Master of Science in Computer Science   *June 2023*

University of Mumbai   **Mumbai, India**
Bachelor of Engineering in Computer Engineering   *June 2021*

Courses/Skills: Algorithms, Data Structures, Database Systems, Cloud Technology, Advanced Operating Systems, Machine Learning, Artificial IntelligenceDistributed Systems, Microservices, Computer Architecture, Object Oriented Programming, Web/Mobile Development, Computer Networks

EXPERIENCE

SCU Frugal Innovation Hub   **Santa Clara, CA**
Software Applications Developer   *July 2023 – Present*

- Led a team of three in the development of a hybrid app for Belgian clients, leveraging Flutter-Dart and local storage for offline functionality, while integrating a Dialogflow chatbot to enhance user experience and browser service.
- Delivered high-quality solutions for quality assurance within budget, and drove continuous improvement in coding standards.
- Currently fulfilling the role of Product Manager, overseeing the end-to-end development and launch of eleven multilingual apps. Responsibilities include defining KPIs, conducting research, ensuring seamless UX, providing multilingual support, devising communication strategies, implementing launch strategies, and analyzing performance metrics.
- Served as a Software Developer Intern, pioneering cost-efficient software solutions for African and European clients, leading to a full-time position.
- Designed high-fidelity UI prototypes for web and mobile applications, utilizing Figma, React, and Flutter. Implemented local storage capabilities, reviewed CI/CD pipelines, and offered constructive feedback to improve product quality.

Mitchell International, Inc.   **San Diego, CA**
Software Development Intern   *June 2022 - September 2022*

- Functioned in a 7-cohort team under the Auto Physical Damage unit for product development of Mitchell Estimating Solutions.
- Collaborated in NextGen Estimate to improve 90% of automated testing solutions by preparing test plans and cases, debugging complexity, fixing code smell, and blockers in C#, MSTest, Selenium, SonarQube, SonarLint for CI/CD code quality analysis.
- Developed cost estimation tool, streamlining the assessment process, and enhancing accuracy in estimating automotive repair costs.
- Aided sibling team interns in building Java unit tests with JUnit, decreasing blockers and successfully passing 82% of test cases.

FashionTV India   **New Delhi, India**
Mobile Application Developer Intern   *June 2020 - August 2020*

- Performed in a cross-functional team to launch an online Wellness course platform, leveraging Flutter-SDK framework, 2-step Authentications, and Cloud Firestore for asynchronous data management and storage.
- Designed highly decisive Adobe paradigms, increasing 85% of reliable user interfaces with further deployment in the stores.

PROJECTS

Home-based Food Business Website - *React.js, Tailwind CSS, Amazon SNS, AWS DynamoDB*

- Devised a responsive design React.js web application with Tailwind CSS where a user can add food to a shopping cart, smoothly place an order, and display item details, updated weekly along with Amazon SNS for real-time updates.
- Implemented built-in Fetch API to make HTTP requests to the backend service to trigger the execution of AWS DynamoDB.

FlexPay - Payment and Transaction Application - *JavaScript, OCI, Node.js, MongoDB, Python*

- Designed an ecommerce application for money/point transaction in JavaScript, Spring boot framework, hosted on Oracle Cloud Infrastructure's (OCI) compute instances and load balancer, and Microsoft Multi-factor Authenticator for 2-step verification.
- Incorporated Nginx to handle HTTP endpoints, Express - Node.js to manage servers, and MongoDB Atlas for Python databases.

Social Media Analysis for Mental Health Evaluation - *Python, REST API, CNN, Flask, Firestore*

- Developed an ecosystem for users' mental state statistical analysis via social media by live data fetch from REST API (OAuth 2.0), CNN model with Flask integration (Python), alerts users' harmful content with Twilio, and medical chatbot by DialogFlow.
- Operated collection of live data through Cloud Firestore and model resulted in 89.28% test accuracy and optimization.

SKILLS

- **Languages:** Java, JavaScript, Python, C, C#, C++, HTML, CSS, TypeScript, Kotlin, XML
- **Web/Mobile Technologies:** Flutter, React Native, React.js, Redux, Angular, Material-UI, Bootstrap, Vue.js, Node.js, Flask
- **Developer Tools:** Figma, Linux, Git, Postman, Junit, Mural, Bitbucket, Confluence, DevOps, JSON, JQuery, AJAX, REST, JIRA, Agile, Docker
- **Databases/Cloud:** SQL, PostgreSQL, PL/SQL, JDBC, AWS, OCI, NoSQL (Firebase, MongoDB)

PUBLICATION, CERTIFICATIONS AND LEADERSHIP

- **Technical Paper Publication**: "*Social Media Analysis for Mental Health Evaluation*" IJRASET, Vol. 9 Issue IV, April 2021.
- **Certifications:** OCI Foundations - **Oracle**; Meta Front-End Developer - **Meta**; Microsoft Azure AI Fundamentals - **Microsoft**; AWS Fundamentals: Going Cloud Native - **AWS**.
- **Hackathons:** Judge/Mentor for UnScript 2022: National Level Hackathon, India; part of Smart India Hackathon 2020, Synergy Hackathon 2019.
- Public Relations & Media Head - **TEDxCRCE**; Marketing & Planning Department - **Students' Council CRCE.**