NOLITA REGO
Software Engineer

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EDUCATION

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

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

Relevant Courses: Algorithms, Data Structures, Database Systems, Cloud Computing, Operating Systems, Design Patterns, Computer Architecture, Big Data Analysis, Object Oriented Design, Web/Mobile App Development, Artificial Intelligence

EXPERIENCE

SCU Frugal Innovation Hub, Santa Clara, CA

Application Developer *July 2023 - Present*
- Spearheaded a team of 3 in developing a hybrid application for Belgian clients applying Flutter-Dart framework and local storage for offline functionality with a chatbot (Dialogflow) implementation to enhance user experience.
- Currently employed as a Product Manager and mentor to launch a multilingual lexicon/math problem-solving application.

Software Developer Intern *February 2022 - June 2022 | September 2022 - April 2023*
- Established 100% cost-effective software internet-free mobilization solutions for African and European clients.
- Engineered high-fidelity UI prototypes for web and mobile applications with Figma, React, and Flutter, integrating local storage capabilities, conducted code reviews, and delivered constructive feedback to enhance product quality and performance.

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 solutions by preparing test plans and test cases, debugging complexity, fixing code smell, and blockers in C#, MSTest, Selenium, SonarQube, SonarLint for CI/CD code quality analysis.

FashionTV India, New Delhi, India

Mobile Application Developer Intern *June 2020 - August 2020*
- Performed in a cross-functional team in deploying an online Wellness course platform utilizing Flutter-SDK, Authentications, and Cloud Firestore (NoSQL) along with a highly decisive Figma prototype, increasing 85% reliable wireframe designs.

PROJECTS

Home-based Food Business Website - *React.js, Tailwind CSS, Amazon SNS, AWS DynamoDB* *November 2023*
- Devised a responsive React.js website with Tailwind CSS with Vite where a user can add food to a shopping cart, smoothly place an order, and display item details, updated weekly along with Amazon SNS to handle messages and notifications.
- Implemented AWS DynamoDB to aid in data collection of users' stimulating asynchronous order requests.

FlexPay - Payment and Transaction Application - *JavaScript, OCI, Node.js, MongoDB, Python* *March 2023*
- Designed an 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 database.

Social Media Analysis for Mental Health Evaluation - *Python, REST API, CNN, Flask, Firestore* *May 2021*
- Developed an application detecting users' mental state 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.

SKILLS

- **Languages:** Java, JavaScript, Python, C, C#, Dart, HTML, CSS, TypeScript, Kotlin
- **Web/Mobile Technologies:** Flutter, React Native, React.js, Redux, Angular, Material-UI, Bootstrap, Vue.js, Node.js, Flask
- **Platforms/Tools:** Android Studio, VSCode, Git, Postman, JIRA, Unix, Linux, REST API, PowerBI, Kanban, Agile, DevOps
- **Databases:** SQL, JDBC, AWS, OCI, NoSQL (Firebase, MongoDB)

CERTIFICATIONS AND PUBLICATION

- **Technical Paper Publication**: "*Social Media Analysis for Mental Health Evaluation*", IJRASET, Vol. 9 Issue IV, April 2021.
- **Certifications:** Meta Front-End Developer by **Meta**; Oracle Cloud Infrastructure Foundations by **Oracle**; AWS Fundamentals: Going Cloud Native by **AWS**.