

Tanya Lenora Rego

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EDUCATION

California State University, Long Beach

Master of Science in Computer Science

Long Beach, CA

Aug 2019 – May 2021

St Joseph Engineering College, Mangalore

Bachelor of Engineering in Computer Science

Mangalore, India

Aug 2013 – May 2017

EXPERIENCE

Attrra Incubation lab with SJEC

Software Developer Intern

Bengaluru, India

March 2017 - Feb 2018

- Developed a Big Data Pipeline to capture data from numerous social media using Gnip, Spark, Kinesis / Kafka, Hadoop and AWS. This included a **customer high availability** architecture for Hadoop namenode
- Developed automation scripts and Jenkins jobs for major Jira tickets which seemed repeated or seasonal. This **reduced turn around time by 50%** for those tickets.
- Worked collaboratively with other team members and developed a Operations Cost Dashboard to give details about operational cost for Attrra partners worldwide **reducing cost** to customer significantly. **Improved efficiency by 92%** and deployed in AWS. Further improved efficiency using ElasticSearch

PUBLICATION

Smart Tags - Presented my research at the National Conference of Smart Computing and Control and published a paper titled “Search Buddy - a search engine to find misplaced physical objects” in **International Journal for Internet of Things, Vol. 6 No.2, 2017, pp. 78-82. doi: 10.5923/j.ijit.20170602.15**

PROJECTS

Smart News | *React.js, Node.js, AWS, MongoDB*

- Developed a full stack application from the ground up to view news with a focus on filtering out disinformation. This proved very valuable during COVID-19
- Designed an interface from React components, developed a Node.js server, tied in a MongoDB database, and deployed the site on Amazon Web Services thus building a powerful and interactive full-stack application

Personal Expense Tracker | *Android, AWS Lambda, Firebase*

- Developed an expense tracking android application with recession and job losses during COVID-19 in mind. Integrated Firebase Authentication into custom backend
- Implemented and integrated plugins to connect third party applications/ credit card/ bank details to have a unified view of finances

Cancer Detection Classifier | *Python, scikit-learn, Pandas, Numpy*

- Designed a classifier with k-fold Cross-Validation and GridSearchCV to detect breast cancer by measuring biopsied cells from women with abnormal breast masses. Compared various algorithms with respect to space and time complexities and **achieved an accuracy rate of 96%**

TECHNICAL SKILLS

Languages - Python, Java, C, C++, FORTRAN

Databases SQL, PostgreSQL, PLSQL, MongoDB, MySQL, NoSQL, ElasticSearch, Cassandra, Solr, Redis

Web and Mobile - HTML5, CSS3, PHP, JavaScript, React.js, Node.js, Flask, Django, Android, AngularJS, JSON, REST API, Redux, Ajax, jQuery

Frameworks and DevOps Tools - Flask, Jinja, Marshmallow, Kubernetes, Dockers, Ansible, Containers, AWS, Azure, GCP, Firebase, Git, OpenGL, Google Analytics, Springboot, JUnit, Terraform, Hadoop, Kafka, Spark

ACHIEVEMENTS AND EXTRACURRICULAR ACTIVITIES

Women in Tech - Active member and Global Ambassador of WomenTech Network where young girls, underserved, LGBTQ communities in schools are encouraged to pursue a career in STEM

Grace Hopper Celebration - Grace Hopper Celebration of Women in Computing (GHC' 20) member and attendee