

# Shamali Shinde

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## EDUCATION

**M.S. Computer Engineering**, University of California Riverside, CA

Sep 2019 – March 2021

**B.E. Computer Engineering**, Pune University, India

July 2013 – May 2017

## WORK EXPERIENCE

**Full Stack Developer Intern**, Salt

June 2020 - Present

- Built RESTful APIs for an Expense Management System (EMS) to monitor the allocated budgets across departments in a Corporate to improvise the paperless expense upload and approval process.
- Designed and built a ReactJS UI for the EMS with features like corporate registration, approval status screen, transaction history.
- Developed a library for the authorization of the users using Amazon Cognito.

**Software Engineer**, Target Corporation India

July 2017 – July 2019

- Designed and implemented RESTful APIs to fetch incident details from SQL DB and built a frontend for Potential Theft Incidents (PTIA) using ReactJS. Won the **Target Pyramid Award** for successfully **replacing 80+ mainframes jobs**.
- Built and managed Elastic Logstash and Kibana (ELK) cluster for logging and searching of the PTIA applications' microservices.
- Designed and implemented CI/CD pipeline using Docker, Kubernetes and Drone for Theft Identification Count (TIC) and PTIA applications. Earned the **Target Pyramid Award** for **saving 90% manual deployment hours**.
- Devised and developed a mobile application using Ionic 4 to scan and track empty packages which helped in saving hundreds of manual entry hours. Developed a RESTful service to fetch and update the items' data and integrated it with the mobile app.

## HACKATHONS

**Know Your Trash**, UCSB Womxn Hackathon (<https://devpost.com/software/knownyourtrash>)

Jan 2020

- Developed an image classification application using TensorFlow to distinguish items based on types of trash.
- Built an Android application that takes the image input and returns the type of trash (landfill, recycle) to dispose the object.
- Won the **Best Project Prize** in the category of sustainability.

**Chatbot for Incidents creation**, Target India Hackathon

May 2019

- Built a chatbot that interacts with the users to help them create and fetch incident details without going through the hassle of using the Service-now application.
- Developed a spring boot microservice to get the incident details and leveraged the google speech-to-text API to take voice input.

**Red Coin**, Target India Hackathon

Dec 2018

- Developed a cryptocurrency transfer application using blockchain technology as a reward point system for the Target Team Members. Used Ethereum and Mist to create the Red Coin.
- Built a user interface using PHP and HTML that can be used to transfer the red coins among team members.

## PROJECTS

**Travel Crawl** [Hadoop Map-reduce, Lucene, MongoDB, PHP, HTML, CSS]

March 2020

- Developed a travel-based search engine to optimize retrieval of 3GB of Reddit data collected by deploying web crawler.
- Implemented ranking algorithm using Map-reduced data. Indexed the data using Lucene and Map-reduce.

**Safety Indexing of New York City using Big Data Techniques** [Java, Maven, Spark, HDFS, Python]

Dec 2019

- Designed a method to calculate safety indexes of NYC communities based on the active crime rate in the areas.
- Produced heatmaps to visualize the safety indexes, generated statistical analysis to show the # of crimes using Matplotlib, geoplot.
- Won the **Best Project Presentation Award** for in-class presentation.

## SKILLS

**Programming Languages:** Java, JavaScript, HTML, CSS, Bash Script, Python, C++, Go

**Databases:** SQL- PostgreSQL, MySQL, **NoSQL** – MongoDB

**Web /Mobile Technologies:** RESTful services, Spring Boot, MVC, ReactJS, NodeJS, Express, Ionic, ELK, Spark, Hadoop, Kafka, JSON

**Versioning/ Deployment:** Git, JIRA, Confluence, Docker, Kubernetes, Drone, Spinnaker