Shamali Shinde

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EDUCATION

MS Computer Engineering, University of California, Riverside(GPA 3.66/4.0)   September 2019 – March 2021
BE Computer Engineering, Cummins College of Engineering for Women, India   June 2013 – May 2017

EXPERIENCE

Full Stack Developer Intern, Salt   June 2020 – September 2020
- Built RESTful APIs for an Expense Management System (EMS) to **improvise paperless expense upload and the approval process** in Corporates **by 57%.**
- Developed a ReactJS UI for the EMS with features like corporate registration, approval status, 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 ReactJS UI for Potential Theft Incidents (PTIA). Won the **Target Pyramid Award** for successfully **replacing 80+ mainframes' jobs.**
- Built and managed Elasticsearch, Logstash, and Kibana (ELK) cluster for centralized logging of PTIA application.
- 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.**
- 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.
- Built a continuous delivery pipeline using Spinnaker for EJTrickle application, **optimized the deployment time by 30%.**

HACKATHONS

Know Your Trash, UCSB Womxn Hackathon (devpost.com/software/knowyourtrash)   January 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 of the item.
- 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.

Red Coin, Target India Hackathon   December 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 using a web crawler.
- Implemented ranking algorithm using Map-reduced data. Indexed the data using Lucene and Map-reduce.

Safety Indexing of New York City | Java, Maven, Spark, HDFS, Python   December 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 using Matplotlib, ggplot.
- Won the **Best Project Presentation Award** for in-class presentation.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres, MySQL), Shell Scripting, JavaScript, HTML/CSS, Go
Web Technologies: React, Node.js, Spring Boot, RESTful APIs, ELK, Spark, Hadoop, Kafka, MVC, Maven, Gradle, Flask
Versioning/ Deployment: Git, Docker, VS Code, IntelliJ, JIRA, Confluence, Kubernetes, Spinnaker