Shamali Shinde

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EDUCATION

MS Computer Engineering, University of California Riverside, CA   Sep 2019 – March 2021
Relevant Coursework: Design and Analysis of Algorithms, Computer Architecture, Operating Systems, Database Management Systems, Big Data Management, Information Retrieval, DBMS, UNIX Administration, Data Mining Techniques

B.E. Computer Engineering, Pune University, India   July 2013 – May 2017
Relevant Coursework: Operating Systems, Algorithms, Data Structures, DBMS, Data Mining, Business Analytics, Cloud Computing

SKILLS

Programming Languages: proficient: Java, JavaScript, HTML, CSS, Bash Script**|** familiar: Python, C++, Go
Databases: **SQL**- PostgreSQL, MySQL, **NoSQL -** MongoDB
Web /Mobile Technologies: RESTful services, Spring Boot, MVC, ReactJS, NodeJS, Express, Ionic, ELK, Spark, Hadoop, JSON
Versioning/ Deployment: Git, JIRA, Confluence, Docker, Kubernetes, Drone, Spinnaker

WORK EXPERIENCE

Software Engineer, Target Corporation India   July 2017 – July 2019
- Designed and built a frontend for Potential Theft Incidents (PTIA) using ReactJS and implemented RESTful APIs to fetch potential theft incidents. **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 saving 90% manual deployment hours. **Won the Target pyramid award** for **delivering exceptional results.**
- Designed and developed a mobile application using Ionic 3 to scan and track empty packages which resulted 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.

PROJECTS

NeoBank [MongoDB, Express, ReactJS, NodeJS]   June 2020
- Designed and implemented a new bank (digital bank) application using Express and NodeJS to perform bank operations (e.g. deposit, withdraw, transaction history).
- Developed a web interface using ReactJS and integrated the APIs to serve the users.

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.**

HACKATHONS

Know Your Trash, UCSB Womxn Hackathon (https://devpost.com/software/knowyourtrash)   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.