

# Anvitha Karanam

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## EDUCATION

### San Jose State University

*Master of Science in Software Engineering*

San Jose, CA

*Expecting – May 2021*

### Jawaharlal Nehru Technological University

*Bachelor of Technology in Computer Science and Engineering*

Anantapur, India

*October 2010 – June 2014*

## PROJECTS

### AlternusVera - Fake News Detection Project | *Python, pandas, numpy, Matplotlib, BeautifulSoup* Fall 2020

- Developed a machine learning model by using pre-trained BERT model and trained the new model to perform multi-class classification of news into six categories that quantifies the veracity of the news based on media coverage and source of the news
- Performed data amalgamation for training the model by collecting data from Politifact.com by performing web scraping using BeautifulSoup

### Real-Time IoT Streaming App | *Google IoT Core, Google pub/sub, Cloud Functions, Firestore, Reactjs* Fall 2020

- Built a complete pipeline using Google cloud IoT Core, Google cloud IoT device gateway, Google cloud pub/sub, Google cloud functions and provisioned a simulated IoT device providing real-time sensor data via MQTT to Google Cloud. Front End UI facilitates a real time graphical display of sensor data and a means to send controls commands back to IOT device

### Traveler's Lens Mobile Application | *Kotlin, Firebase ML kit, MVVM* Spring 2020

- Created a cloud based mobile application for user to upload image and recognize text using Firebase ML Kit's Text Recognition on device API
- Developed text identification feature using the Firebase ML Kit's on-device translation API, and dynamically translated text to English from different languages
- Incorporated Text to Speech functionality using Android TTS Engine to voice out recognized words in image

### Car Rental Application | *Java, Reactjs, MySQL, Springboot, AWS* Fall 2019

- Collaborated in building a 3-tier cloud-based web application for enterprise Car Rental systems, allowing users to make reservation
- Implemented algorithm to extract user details by performing text-based recognition on user uploaded driving license image

### Checkout Cart React Component | *Java, Reactjs, Redux, MySQL, Springboot, AWS* Fall 2019

- Developed a 3-tier web application for event management and booking system
- Built Cart service component to add/edit/remove shopping items using Redux store manager

### User File-Storage Web Application | *Java, Reactjs, NoSQL, Springboot, AWS, Git* Fall 2019

- Designed and developed a 3-tier web application supporting CRUD operations on user uploaded pictures
- Achieved high availability and scalability with use of various AWS resources EC2, S3, DynamoDB, CloudFront, Route53, Lambda, SNS, CloudWatch, Auto-Scaling, AWS Cognito and IAM

## TECHNICAL SKILLS

**Languages:** Java, Reactjs, Shell, HTML, CSS

**Tools/Technologies:** Amazon Web Services, Google Cloud Platform, GIT, REST APIs, Spring Tool Suite, Eclipse, IntelliJ, Android Studio, Microservices, Springboot, Jenkins, Ansible, Docker, Jupyter notebook

**Database and Query Language:** MYSQL, DynamoDB, RDS, SQL, NoSQL

**OS Platforms:** Linux, Windows

## WORK EXPERIENCE

### Software Engineer

*Tech Mahindra*

February 2015 – April 2017

*Chennai, Tamil Nadu, India*

- Performed Application migration from legacy COBOL languages to newer industry standard enterprise COBOL
- Executed impact analysis to resolve user queries and prepared detailed and high-level design document creation based on customer requirements
- Achieved 'X' rating, topmost fresher performance appraisal in Tech Mahindra