

Education

Master of Science, Computer Science

CALIFORNIA STATE UNIVERSITY - EAST BAY, HAYWARD, CA

GPA 3.85/4.0

Expected Dec 2020

Bachelor of Technology, Computer Science

VR SIDDHARTHA ENGINEERING COLLEGE, VIJAYAWADA, IND

CGPA: 9.3/10.0

May 2016

Technical Skills

Programming	:	Java, Python, C
Web Technologies	:	JavaScript, React, Node.js, parcel, HTML, CSS, HTTP, REST API
Frameworks	:	Express, Mocha, Chai, Jest, Cypress
Databases	:	MySQL, NeDB, MongoDB
Tools	:	Eclipse, IntelliJ, SpringBoot, Git, TestNG, Junit, Postman
Platforms	:	Windows, Unix/Linux, Mac
Cloud	:	AWS, GCP

Projects

WORLD TOUR – JURASSIC WORLD (https://github.com/kalyaniyaganti9/JURASSIC_EXPERIENCE)

Technologies - React, Node.js, JavaScript, HTML, CSS, NeDB, Express and Mocha Frameworks for testing

Developed a Full Stack multi user Web App using React and Express framework, node which allows users to schedule their tours in Jurassic World. It implements bcryptjs, a hashing algorithm for user authentication and Express-session for session implementation.

SERVER MONITORING SYSTEM (<https://github.com/kalyaniyaganti9/ServerMonitoringSystem>)

A java Application which simulates logs and monitors the CPU usage for any given day for any server and lets user query the Status of CPU usage at any given time in an interactive built command line tool. One can use this application either in windows or in UNIX system.

TOKEN PARSER (<https://github.com/kalyaniyaganti9/Tokenizer>)

Developed a Java based application that takes inputs of a code base and analyzes and generates token usage metrics.

LIVE MONITORING (<https://github.com/kalyaniyaganti9/LiveMonitoring/>)

An app which streams live to user logged in. It can be used as a pet monitoring app once deployed on any cloud platform. It is built with authentication to avoid public streaming. User can login and choose whether to stream or view based on his/her purpose.

CAMERA WEB APP(<https://kalyaniyaganti9.github.io/Streaming/>)

Developed a camera web app to take pictures using HTML CSS and Javascript. Pictures can be saved to machine or directly to photos app if a mobile is used.

TWITTER SENTIMENTAL ANALYSIS TO DETECT CYBERBULLYING TWEETS

Performed sentimental analysis on real time tweets gathered hitting the twitter developer API and classified them on the basis of cyberbullying using Machine Learning Approach. Implemented various classifiers to get best model with high accuracy.

SYSTEM CALLS & MULTITHREAD PROGRAMMING – KERNEL

Implemented a customized system call in kernel which takes parameters from the user and provide the result. Used proc file system for communication between user space and kernel space to implement a system call.

Work Experience

TATA CONSULTANCY SERVICES INC., BANGALORE, IND

Jul 2016 – Dec 2018

Software Development Engineer

- Developed and Integrated React Web to interact with Restful API web services developed using node.js.
- Created test scripts using Mocha javascript framework to reduce debugging time in test driven development.
- Designed and implemented RESTful APIs using Spring Boot to parse logs for exceptions.
- Developed a tool that can monitor different micro services health checks, store logs related to container crashes and send email alerts with the logs and probable cause of failures.
- Automated API tests using Rest Assured and implemented logging using Log4j.
- Developed a web-based tool to compare among legacy and newly built API.
- Integrated automated tests into Jenkins pipeline for CI/CD.
- Familiar working with agile methodology, writing unit tests, regression tests and bug tracking.

HONORS - STAR EMPLOYEE OF THE QUARTER IN 2018