Tharun Rajeev

562-719-1094 | tharun.rajeev01@student.csulb.edu | linkedin.com/in/tharun-rajeev-5b38961b6 | github.com/TharunRajeev

EDUCATION

California State University- Long Beach (GPA: 3.66) Long Beach, CA
Pursuing Masters, Computer Science. *Aug 2023*

SRM Institute of Technology (CGPA: 3.2) Chennai, India)
BTech in Information Technology *Jun 2021*

EXPERIENCE

Software Engineer Jan 2021– Jul 2023
Advanced business and healthcare solutions India Pvt Ltd *Bangalore, India*
- Designed, developed, and reviewed APIs using Swagger for ALB Desktop to interact with third-party application endpoints replacing the previous integrations resulting in a decrease in operational cost by 18%.
- Reduced application build time in Jenkins pipeline from 3-4 hours to 20 mins by avoiding unnecessary dependency downloads and redundant DLL checks.
- Created Common reusable components with additional features bound to UI elements, thus increasing development productivity.

Data Analyst Intern Dec 2019 - Dec 2019
JSW Steel Ltd *Mumbai, India*
- Executed Data mining, Web scraping, and Atomizing web pages using Selenium to ease manual operation.
- Utilized Pandas, NumPy, Matplotlib, Seaborn, and Ipy widgets for dealing with data, year and month-wise from the Ministry of commerce.
- Extracted import, and export data from the Ministry of Commerce and provided insights into steel and raw material using interactive graphs and plots. Employed Mime type, SSL, HTTP. Client to request data from website and store them in excel files.

Data Analyst Intern June 2019 - June 2019
TATA Technologies *Mumbai, India*
- · Carried out Data analysis using pandas, NumPy, and Matplotlib to analyze operational performance data in Excel to extrapolate and provided insights and graphs for decision-making.
- · Analysed month-wise employment performance based on tickets resolved and incident analysis.
- · Stored data in Excel files and graphs in .png files to use them in internal discussions and Retrospectives.

PROJECTS

Wired sensor systems for water quality monitoring | *Internet of things, Machine learning* June 2021
- · Monitored the pH, temperature, conductivity, and turbidity at water distribution to measure water quality and possible reasons for quality deterioration using IoT devices and Machine learning.
- · Integrated temperature, conductivity sensors, etc. with the Arduino Uno using Java to collect data produced by the sensors into the system at regular intervals.
- · Wrote python code on Jupyter Notebook using packages such as pandas, and NumPy to fetch, clean, categorize and analyse the data produced by the sensors to find trends and aberrations.

Social Cop | *Android studio, Java, Node, Mongo DB, AWS, SMTP* November- 2019
- Developed an Android app with Node.js serving as the backend, utilizing MongoDB as the database and AWS S3 for storage.
- Facilitated resolution of road-related issues, such as faulty signals, traffic jams, puddles, garbage, and accidents, through an application enabling users to capture images and locations.
- Uploaded data to a centralized portal for authorities, incorporating Java for UI design, S3 for storage, and MongoDB for structured data storage. Automated email notifications to relevant officials based on the nature of the submitted complaints via SMTP.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, R
Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI
Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib