Tharun Rajeev

www.linkedin.com/in/tharun-rajeev-5b38961b6| tharunrajeev29@gmail.com | +1 562-719-1094

EDUCATION

California State University- Long Beach, Long Beach, California	**Aug 2023**
Pursuing Masters, Computer Science.	**(GPA 3.66/4)**

Relevant Courses: Advanced Analysis of Algorithms, Advanced Analysis of Software Engineering, Programming Languages.

SRM Institute of Technology, Chennai, India	**Jun 2021**
BTech in Information Technology	*(*CGPA 3.2/4)

STRENGTH AND EXPERTISE

- **Soft Skills:** Communication, Collaboration, Time management, Adaptability, Quality Assurance, Attention to Detail.
- **Software**: Canvas, MS Excel, MS Office, Visual Studio, GitHub, MySQL, SharePoint, JIRA, MS Project.
- Languages: Java, JavaScript, C#, Python, CPP, HTML, and CSS.
- Web Technologies: Amazon Web Services, React, Node.js, .Net, WPF, Window forms, MS SQL server, Mongo DB.

PROFESSIONAL EXPERIENCE

International Student Association (ISA), California state university Long beach – Director of Correspondence.   **Present**

- **I**n charge of taking the minutes of meetings, notes of important points discussed.
- Make sure there is an ease in communication between Organization and its members.
- Come up with innovative ideas to portray ISA's goals and purpose.

Advanced business and healthcare solutions India Pvt Ltd, Bangalore, India |*Software Engineer.*   **Jan 2021– Jul 2023**

- 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.

JSW Steel Ltd, Mumbai, India | *Data Analyst Intern*   **Dec 2019 - Dec 2019**

- 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.

ACADEMIC PROJECTS

Wired sensor systems for water quality monitoring

- Utilized IoT devices and Machine Learning to monitor water quality at distribution points, analyzing pH, temperature, conductivity, and turbidity for potential degradation reasons.
- Integrated Arduino Uno with temperature and conductivity sensors using Java and developed Python code on Jupyter Notebook (utilizing Pandas and NumPy) to retrieve, clean, categorize, and analyze sensor-generated data for identifying trends and anomalies.

Social Cop

- 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.

CERTIFICATIONS AND COURSES

Completed Udemy courses for AWS Certified Solutions Architect Associate (Feb 2022) and AWS Certified Developer Architect Associate (Jan 2022).

Coursera achievements include mastering Data Science Competition strategies (Sep 2020), Python Data Structures (May 2020), Explainable AI (Sep 2020), and creating a NodeJS Website with cloud-native features, security measures, and serverless capabilities (Sep 2020).

EXTRACURRICULAR ACTIVITIES

- Volunteered in Karate competition as a Timekeeper held at CSULB Pyramid.
- Served as the Design Head in National Level Symposium Aurganon19'organised by the department of Information technology, SRM IST by coming up with design themes and ideas, executing them, and delegating tasks, 2019.
- Won the 1st position in Hackathon in Aurganon19' at SRM Institute of Technology, Chennai in 2019.