

Suraj Bodapati

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EDUCATION

UNIVERSITY AT BUFFALO (STATE UNIVERSITY OF NEW YORK)

M.Sc. in Computer Science- MS CS - Graduation, December 2022

New York
August 2021-December 2022 (Anticipated)

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (CBIT)

Bachelor of Engineering in Information Technology

Hyderabad, India
2015-2019

EXPERIENCE

JP MORGAN CHASE & CO.

Hyderabad, India

Software Engineering Program, Corporate Technology (CT)

Jul 2019-Jul 2021

- Developed a Kafka based micro-service architecture to enable asynchronous straight-through processing of Instamed Client Onboarding requests. Implemented resiliency patterns using Resiliency4J, an automated failed request reprocessing infrastructure, and integrated log monitoring tools for high degree of resilience.
- Developed core functionalities and built RESTful APIs of a key application used across JPMC for Client KYC and onboarding, using Java Spring boot, Hibernate, Swagger, and worked in parallel on UI components using Angular.
- Developed a Kafka based micro-service for asynchronous real time update of client coverage data that resulted in 80% reduction, in the data access time for the end users.
- Engineered a data caching solution as part of the Strategic LDM project. It uses Elastic Search to get results 50% faster to facilitate generic, targeted and fuzzy searches and is being used by multiple applications across corporate technology tower.
- Involved in the design and implementation of OAuth2 authentication mechanism based on Microsoft ADFS. Played a key role in migrating 100% of users and applications to the pivotal cloud foundry by developing automated tools for optimal performance.
- Volunteered and built an application for the NGO Dr. Reddy foundation (DRF) using ReactJS and Spring Boot. It is being used for connecting and maintaining the network of 5,000+ DRF alumni across India.

Software Intern, Consumer and Community Banking (CCB)

Feb 2019- Jul 2019

- Worked on the application refresh of a legacy application used for Mortgage lending into micro-services using Java Spring Boot and Angular Framework for the UI.
- Planned and executed cloud migration and maintenance of two applications on Pivotal Cloud Foundry.
- Built the CI/CD pipeline for automated deployment of application to Cloud environment.
- Improved the unit test coverage for legacy application from 11% to 82%
- Followed 100% Agile practices, performed unit testing and worked on several DevOps tools like Jira, Bitbucket, Jenkins 2.0, Black Duck, Sonar, ServiceNow etc., for CI/CD.

CAREATOR TECHNOLOGIES PVT. LTD.

Hyderabad, India

Android application development Intern

May 2018- Jun 2018

- Automated the customer login and information onboarding using the open data fetched from Google, LinkedIn and Facebook for a job search application called Milo-Now.
- Involved in the planning, testing, issue resolution and deployment of the android application to Play store.

ACADEMIC PROJECTS (DETAILS AND LINKS TO CODE BASE CAN BE FOUND ON MY PERSONAL WEBSITE IN THE RESUME HEADER)

COVID-19 TIME SERIES ANALYSIS OF DAILY CASES, DEATHS AND RECOVERIES USING LSTM

2019-2020

- Built a time-series forecasting model for univariate data to predict various trends in COVID-19 cases

SENTIMENT CLASSIFICATION OF SOCIAL MEDIA REVIEWS WITH RNN-LSTM AND CNN

2018-2019

- Performed sentiment analysis on IMDB gold standard dataset by pre-processing data using NLP.

REALISTIC HANDWRITING GENERATION USING RNN-LSTM

2018-2019

- Developed a model to generate human-like handwriting by training the model on thousands of handwriting images using deep learning models and by performing hyper-parameter turning.

SKILLS

Languages: Java, Typescript, Python, Java Script, HTML, CSS, SQL, Shell Script.

Frameworks: Spring Boot, Angular, React JS, Tensorflow, Keras, PyTorch, NLTK, Flask, Zuul, Eureka.

Tools: Kafka, Pivotal cloud foundry, Elastic Search, Microsoft ADFS, Jenkins, Splunk, Android Studio, Jira.

ACHIEVEMENTS (DETAILS AND TESTIMONIALS CAN BE FOUND ON MY PERSONAL WEBSITE IN THE RESUME HEADER)

1. Recipient of the **Execution Excellence Award** for Q1 2021 and Q2 2021 at firm level - JPMC 2021
2. **Runner-up** at JP Morgan-Code for Good Hackathon and developed an application for "Teach for India" NGO. 2018
3. **Lead Author** of three research papers published in International Journals indexed by **IEEE and Springers** International.