### Sainath Seelam

### Software Engineer

A quality focused lead software engineer with 2 years of experience at HSBC. Worked in Information Services of HSBCnet platform building Restful micro services based on mule-soft and java-spring boot. I have hands on experience with different facets of software development.

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### **WORK EXPERIENCE**

### **Senior Software Engineer** HSBC

07/2020 - 06/2022

Hyderabad

Achievements/Tasks

- Worked in the Information Services (IS) department of HSBCnet, an online global banking platform and IS deals with building secure micro-services for customer information access.
- Developed restful micro-services using mule-soft and Java springboot with robust Junits.
- Deployed to Pivotal Could Foundry using Jenkins continuous integration pipelines and was responsible for maintenance and firefighting issues using App Dynamics and Splunk.
- led a team of 3 in designing and implementing eStatements view and download work-flows to Canada country.
- Implemented end to end eStatements (transaction history documents) generation workflow using JReport (a commercial PDF rendering system) to HSBCnet users, The api flow is handles 10MB at 24TPS.
- Sole contribute to implement account Information download feature for 10,000 quantum users by developing PDF rendering API-flows based on opensource iText.

Contact: Muthyam Gurram - (+91) 7799444436

### **EDUCATION**

## MTech in Software Engineering IIIT Allahabad

05/2018 - 05/2020

Thesis (under Dr.Ranjana Vyas)

Class Imbalance in medical datasets (Data science research)

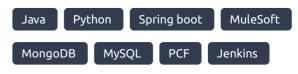
# **BTech in Information Technology**IIIT Allahabad

07/2015 - 07/2018

Courses

 Principles of Programming Languages, Operating Systems, Data Structures and Algorithms, Object-Oriented Principles using Java, Distributed Systems, Database Management, Computer Networking, Wireless Networks, and Artificial Intelligence.

### **SKILLS**



### **ACHIEVEMENTS**

First Prize, Hackathon (2020)

Secured 1st position for the automation solution for data integrity tests which reduced human efforts by 90 per cent.

### PERSONAL PROJECTS

Class Imbalance in Medical Datasets (2019)

- A machine learning research project under *Dr.Ranjana* vyas addressing learning bias in neural nets caused due to imbalance in datasets.
- Proposed a Novel technique based on one-class classification using auto-encoders and increased the classification f-score from 0.73 to 0.78 which is best on the ICPAR breast cancer dataset. (Tensor-flow, Opency, Pandas, Python)

### Hand-written Character Recognition (2018)

- A machine learning project under Prof.Pavan Chakraborty.
  Developed an OCR module to digitize the handwritten characters by training the CNN model on MNIST and NIST public datasets.
- Developed a segmentation module to extract individual characters using counter methods (Python, OpenCV)

#### Forum (Database management project) (2017)

A social networking Project under Dr Ranjana Vyas.
 Implemented a networking platform to post, share, and react to shared course materials among university students. (PHP, MySQL, JavaScript, HTML/CSS)

### **INTERESTS**

Badminton		Yoga	Swimming
Travel	Reading		