

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 spring-boot with robust JUnits.
- Deployed to Pivotal Cloud 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 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

Java

Python

Spring boot

MuleSoft

MongoDB

MySQL

PCF

Jenkins

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, Opencv, 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