

# Jathin Sreenivas

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## EDUCATION

### FRANKFURT UNIVERSITY OF APPLIED SCIENCES

MS IN HIGH INTEGRITY SYSTEMS  
Oct 2019 - Present | Frankfurt, DE  
Grade: 1.66 (German Grading System)

### PES INSTITUTE OF TECHNOLOGY

BE IN INFORMATION SCIENCE  
Aug 2012 - Jun 2016 | Bangalore, IN  
Grade: 65%

## SKILLS

### TECHNICAL SKILLS

Proficient:

Java • SQL • Python • Git • REST •  
Javascript • Bash/Shell • NodeJS •  
Real-time • Spring

Familiar:

Angular • C/C++ • Docker • Blockchain  
• Django • Sensors

## OPEN SOURCE

### OPENREFINE

OPENREFINE CONTRIBUTOR

### CODEZONED

CODEZONED MAINTAINERS

## PUBLICATIONS

- [1] A. Hari, J. Sreenivas, N. S. Kannan, and Saritha. Accident avoidance and detection. *IJLTEMAS*, 2016.
- [2] V. Kamath, J. Sreenivas, and K. Yelpale. Blockchain solution to healthcare record system using hyperledger fabric. *ResearchGate*, March 2021.
- [3] J. Sreenivas and V. Bhat. Scheduling simulator. *ResearchGate*, August 2020.
- [4] J. Sreenivas, V. Bhat, and V. Gopalakrishnarao. Fall detection system using sensors embedded in smartphones. *ResearchGate*, August 2020.

## EXPERIENCE

### GERMAN AEROSPACE CENTER (DLR) | MASTER THESIS STUDENT

Mar 2022 - Present | Brunswick, DE

- Research on "Response Time Analysis of Tasking Framework Task Chains".
- Creating a real time scheduling algorithm that runs on a multi core processor.

### AMAZON | SDE INTERN

Mar 2021 - Aug 2021 | Berlin, DE

- Completed through an entire project delivery life-cycle.
- Full stack development, wrote and reviewed code in Java, Spring boot, JSP, Angular, Jquery, Unit testing (JUnit, angular unit tests) and CSS.
- Launched 100% on the Amazon retail app and monitored metrics - response time, CPU, memory etc, using A/B Testing, cloud watch.
- Resulted in increment of page views by 78% on average World wide.

### SOFTWARE AG | WORKING STUDENT R&D UNIVERSITY RELATIONS

Mar 2020 - Jan 2021 | Darmstadt, DE

- Automated processes for handling education packages by multiple RESTful services to improve efficiency and handling of errors on the production system.
- Development of a new university relation website, built using REST, Spring boot, Angular and keycloak.

### NTT DATA FA INSURANCE SYSTEMS | SENIOR SOFTWARE ENGINEER

Sep 2016 - Jul 2019 | Bangalore, IN

- Developing the product to cater to customer requirements using RestFul Web services, Spring IOC, Java, HTML, CSS, JavaScript, ibatis, MYSQL.
- Developed a utility to automate the web logic deployment process using Java, WLST, Batch script which improves the duration by nearly 90%.

## PROJECTS

### BLOCKCHAIN IN MEDICAL Sep 2020 - March 2021

Familiarizing with blockchain technology using Hyperledger Fabric, to develop a prototype for a Medical scenario, to write smart contracts and to scientifically reflect on the use of blockchain. Stack: Docker, Bash/Shell, Node.js, Angular

### OPENSTACK Sep 2020 - Feb 2021

Deployment of a multi-node IaaS OpenStack private cloud infrastructure.

Stack: Microstack, Bash/Shell, OpenStack APIs, cURL

### FALL DETECTION SYSTEM IN SMARTPHONES Mar 20 - Jul 20

A new fall detection system implemented in an android application to detect a fall using sensors embedded in smartphones.

Stack: Java, Android, Sensors - Accelerometer, Gyroscope, Magnetometer

### SCHEDULING SIMULATOR Mar 2020 - Jul 2020

Built a Django Application for simulating real-time scheduling algorithms and display the behavior of such algorithms based on predefined task set.

Stack: Python, Django, JavaScript, HTML, CSS

### ACCIDENT AVOIDANCE AND DETECTION Oct 2015 - Apr 2016

This projects detects an accident in a car using sensors connected to an Arduino and contacts the nearest ambulance using a GSM and a Django Application for help.

Stack: Django, Arduino, GPS/GSM, Accelerometer, Alcohol sensor, Ultrasonic sensor, Piezoelectric discs