

Sree Hari Karri

San Jose, CA 95110 | (408) 690-4278 | sreehari98@gmail.com | linkedin.com/in/sreeharik5

EDUCATION

Master of Science, Computer Science

San Jose State University, San Jose, California

Aug 2022 - May 2024

- Courses: Cloud computing, Design and Analysis of Algorithms, Computer Networks

Bachelor of Technology, Computer Science and Engineering

PES University, Bangalore, India

Aug 2016 - May 2020

SKILLS

Languages: Python, Java, C++, C, Typescript, Angular, Bash, SQL, HTML, CSS

Frameworks and Technologies: AWS S3, EC2, RDS, Lambda, Springboot, GCP, PostgreSQL, MySQL, MongoDB.

Tools: IntelliJ, Visual Studio, GoCD, Bitbucket, JIRA, Confluence, Agile process, Postman, Insomnia, Jupyter Notebook

WORK EXPERIENCE

Software Engineer 2, Epsilon, Bangalore, India

Apr 2022 - Jun 2022

- Integrated MS Teams webhooks to every regression pipeline and reduced 80% of time spent by QA engineers on monitoring pipelines. Customized active cards to send/receive data without leaving the Teams chat window.
- Fixed inconsistencies in developer and production tenants by automating dependency evaluation using custom graph structures. Eliminated manual process and any human errors done by Product Owners, saving ~12 hours per month.

Software Engineer 1, Epsilon, Bangalore, India

Sep 2020 - Mar 2022

- Ideated and implemented a reporting tool eliminating manual verification and updating status of regression test pipelines by developing a website and auto populating status based on pipeline completion. The tool allowed Scrum Masters to directly view status of pipelines from every team and identify points of contact instantly.
- Published an analytics page based on pipeline run data, helping devise a schedule for pipelines to be completed without conflicts and avoiding multiple reruns. The scheduling reduced pipeline runtime by ~28 hours per week.
- Updated the existing websites hosted on AWS EC2 instances by porting to S3 bucket based hosting, saving ~400\$ per month in cloud expenses.
- Standardized the template creation process for deploying workflows on the Camunda orchestration tool, bringing down the time taken to design and test a template from ~1hour to 20 minutes. These were released throughout the organization and helped debug issues based on the troubleshooting scenarios.
- Designed over 10 UI pages and developed corresponding Spring APIs using AWS Lambdas. Configured API gateways, ingress and egress rules for tenant based access. Created CI/CD pipelines to provision resources in various tenants.

Software Engineer Intern, Epsilon, Bangalore, India

Jan 2020 - Jul 2020

- Automated existing procedures to perform file conversions using an external tool using python scripts on CI/CD pipelines.
- Developed a versatile data generation tool leveraging faker library in Python to simulate real-world data. Minimized data generation time for large sizes over 100 Million by ~2hours.
- Built CI/CD pipelines, Spring APIs and achieved familiarity with AWS tools.

PROJECT EXPERIENCE

Bias Detection in Twitter, PES University

Jan 2020 - Apr 2020

- Identified over 7 key factors such as tweet frequency, number of retweets, followers vs following ratio, username originality and so on to established metrics to classify Twitter users as bots.
- Classified tweets using a stance detection model, a combination of CNN and a bidirectional LSTM. Detected percentage of biased users related to an ongoing debate. Authored a paper titled "Detecting Propaganda in Trending Twitter Topics in India" and presented it in the IEMIS 2020 conference.

Secure wireless IoT, PES University

Feb 2019 - Aug 2019

- Built a working prototype by re-wiring the configuration of a room in the information security lab and implemented tunneling protocols to prevent data-stealing attacks. Created a GUI to monitor movements and status of appliances in the room, projected to decrease wasted electricity by ~30%.
- Published a paper titled "Secure Wireless IoT Communication Using Virtual Private Networks" in the ICCCES 2019 Springer book.