

SARVESH SIRAS

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EXPERIENCE

Software Engineer 1, Mastercard

July 2021 - Present

- Developing high quality, secure, scalable microservices, event driven APIs and REST APIs predominantly using Java, Spring boot and SQL for building of a cloud-based global tokenization platform that assists digital payments and powers digital giants like Apple Pay, Samsung Pay and many others.
- Working regularly in implementing CI/CD build pipelines with tools like Git, Jenkins, Maven, etc.
- Working collaboratively with Product Development teams to develop, scale and support software products in Scaled Agile Software Development environment.

Summer Intern, Mastercard

May 2020 - June 2020

- Worked with Operations and Technology team to develop a REST application using technologies like Spring-boot, Java, React, and H2 Database. Developed a mocking framework using Wiremock API for enabling Rapid Application Development that reduced development time by 50%.

EDUCATION

Bachelors in Information Technology(B.Tech.) (Honors),
College of Engineering Pune (COEP)

2017 - 2021

SKILLS

Languages

C, C++, Python, Java, SQL, HTML, CSS, JavaScript, PHP

Technologies and Frameworks

Data Structures, RDBMS, Flask, Spring Boot, Docker, GIT, OpenCV
Natural Language Processing, Basics of Cloud Computing, J2EE,
Object Oriented Programming, Distributed Systems

PROJECTS

Digitization of Invoices Developed an invoice processing system that processes the image of invoice and converts it into an Excel file using OpenCV, Pillow, Tesseract, PyTorch in Python environment. The system frontend was developed with Flask, HTML, CSS, JS and uses MongoDB for database and Amazon S3 bucket for storage.

File Transfer Protocol Developed a secure terminal-based bidirectional File Transfer Protocol application for transmitting files over the network using a TCP/IP connection using Socket programming in Python.

Analysing Popularity of Politician from Tweets Developed a Python app to predict the popularity of a politician based on tweets mentioning him/her during election campaigning using Python and Sentiment Analysis models.

Heap Manager Developed a set of C language functions like malloc, calloc, realloc and free, to manage the system heap memory.

CERTIFICATIONS

- Specialization in Python by University of Michigan (Coursera)
- Deep Learning and Neural Networks (Coursera)

VOLUNTEERING

- **Pro Bono Consultant, Bal Utsav** As a Team Lead, I managed a team of eight over the 10-week program to develop social impact recommendations and solutions to support Bal Utsav in creating a communication strategy with a strong focus on digital visibility to build awareness and engagement around its programs and services to further expand its reach.