

SARVESH SIRAS

+91 9405391265 ◇ sarveshsiras@gmail.com ◇ [linkedin.com/in/sarveshsiras/](https://www.linkedin.com/in/sarveshsiras/) ◇ sarveshsiras.github.io

EDUCATION

Bachelors in Information Technology (B.Tech.) (CGPA: 7.91)

(With Honors in Computer Engineering),

College of Engineering, Pune (COEP)

2017 - 2021

Higher Secondary Certificate(HSC) (86%)

2017

Secondary School Certificate(SSC) (96.6%)

2015

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%.

SKILLS

Languages

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

Technologies and Frameworks

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

PROJECTS

Digitization of Invoices

- Developed a system to digitize paper-based invoices with tables into excel sheets using Computer Vision techniques.
- The system used Machine learning models to map the invoice data into the excel sheet.
- The system used the Convolutional Neural Network model to detect table and Tesseract and Image processing using OpenCV to process text.
- The system had an accuracy of around 84%.

File Transfer Protocol

- Developed a secure terminal-based bidirectional File Transfer Protocol application for transmitting files over the network using a TCP/IP connection.
- The application allowed the transfer of multiple files simultaneously with the help of threading.
- The application was developed in Python using Socket Programming libraries.

Analysing Popularity of Politician from Tweets

- The project's objective was to determine a politician's popularity using tweets mentioning them during election campaigning.
- The system gathered tweets using Twitter API, and these tweets were then tokenized to keep only the relevant data.
- Finally, the tweets were analyzed using Sentiment Analysis techniques and Machine learning models to determine the popularity of the politician.

Heap Manager

- Developed a set of C language functions like malloc, calloc, realloc and free, to manage the system heap memory.
- Used a combination of buddy and free-list type memory allocators to allocate and manage the system heap.
- The functions were written in C language and used brk and sbrk system calls for memory management.

CERTIFICATIONS

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

LEADERSHIP AND VOLUNTEERING

Pro Bono Consultant, Bal Utsav

- As the Team Lead, 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.

Core Committee member, Bhau's Innovation and Entrepreneurship Cell

- Responsible for promoting spirit of innovation and entrepreneurship among my fellow students in Institution.
- Played a crucial role in the organization and scheduling of Pune Startup Fest, which witnessed a convergence of 200 startup exhibitors, 100+ investors, and a crowd turnover of 20k+ people.

EXTRACURRICULAR

- Computer Society of India (Student Member)
- COEP Boat club member
- Playing Chess
- Solving Sudoku