

SARVESH SIRAS

sarveshsiras@gmail.com ◇ linkedin.com/in/sarveshsiras/ ◇ sarveshsiras.github.io

EDUCATION

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

College of Engineering, Pune (COEP)

2017 - 2021

Honors in Computer Engineering

College of Engineering, Pune (COEP)

2019 - 2021

12th grade from Maharashtra State Board (86%)

2017

10th grade from Maharashtra State Board (96.6%)

2015

PROFESSIONAL EXPERIENCE

Software Engineer II, Mastercard

July 2021 - Present

- Designed and Developed highly scalable, secure, fault-tolerant micro-services capable of handling 1500 transactions per second using Java, Spring boot, Kafka, and SQL
- Played a vital role in the migration of monolithic applications to micro-service architecture which had better performance and scalability
- Utilized tools like Splunk and Dynatrace to analyze the performance of critical features, identifying and resolving bottlenecks to enhance overall system efficiency threefold
- Collaborated effectively with stake-holders, product managers, architects, and fellow engineers to define project requirements, plan Agile development sprints, and deliver high-quality software solutions on time
- Thrived in a fast-paced environment, effectively managing multiple projects and priorities, actively participating in code reviews and provided constructive feedback to enhance code quality

Summer Intern, Mastercard

May 2020 - May 2020

- Worked with the Operations and Technology team to develop a REST application using technologies like Spring-boot, Java, React, and H2 Database
- Independently developed a mocking framework to enable Rapid Application Development that reduced development time by 50%

ACADEMIC PROJECTS

Digitization of Invoices Using Image Processing

Aug 2020 - May 2021

(Tech Stack: Python, CNN, Tesseract, OpenCV, PyTorch, Pillow, Flask, HTML, CSS, JavaScript)

- Employed Computer Vision techniques to digitize paper-based invoices with tables into excel sheets with 86% accuracy
- Applied Machine learning models to accurately map the invoice data into an excel sheet
- Trained Convolutional Neural Network models and devised image processing techniques to detect table and process text, respectively

Evaluating a politician's popularity

Feb 2019 - May 2019

(Tech Stack: Python, Machine Learning, Tweepy, Natural Language Processing, Sentiment Analysis)

- Determined a politician's popularity using tweets mentioning them during the general election campaigning in 2019 of the world's largest democracy
- Tweets gathered via Twitter API were filtered and tokenized to extract relevant data
- Analyzed the extracted data using Sentiment Analysis techniques and Machine learning models to conclude about the politician's popularity

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, Object Oriented Programming, Distributed Systems

MOOCs

IBM Machine Learning Professional Certificate
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

- Managed a team of 8 over the 10-week program as the team lead to develop social impact solutions to support Bal Utsav (an NGO supporting the education of poor children in India)
- Formulated communication strategies with a strong focus on digital visibility that helped Bal Utsav expand its reach by 10 times

Head, Bhau's Innovation and Entrepreneurship Cell

- Led the team that was responsible for 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
- Responsible for promoting the spirit of innovation and entrepreneurship among my fellow students

EXTRACURRICULAR

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

CONTACT INFORMATION

Mobile: +91 94053 91265

Mailing Address: Gangavatran, Lokmanya Nagar, Parbhani - 431401, India.