Prathamesh Saraf

s1lv3rj1nx.github.io
pratamesh1867@gmail.com | 940.471.1867 | prathameshs@iisc.ac.in

EDUCATION

INDIAN INSTITUTE OF SCIENCE
M.Tech (Res) in Computational and Data Science
May 2023 | Bangalore, India
CGPA: 8.0 / 10.0

DKTES' TEXTILE AND ENGINEERING INSTITUTE
B.Tech in Computer Science
May 2020 | Kolhapur, India
Magna Cum Laude
CGPA: 9.24 / 10.0

LINKS

Github:// **s1lv3rj1nx**
LinkedIn:// **s1lv3rj1nx**
YouTube:// **Algorithmist**
Leetcode:// **S1LV3RJ1NX**
Quora:// **Prathamesh-Saraf**

COURSEWORK

System Virtualization
Distributed Systems
Operating Systems
Algorithms and Data Structures
Computer Networks

SKILLS

PROGRAMMING
C++ and OOPs • Python • C
FRAMEWORKS
RASA • Flask • Django • Pytorch
Tensorflow • MySQL

CONTRIBUTIONS

- Founding member of 'Coding Dojo' a programming club at DKTES.
- Conducted workshops on Python programming, which helped non-technical students to crack the TCS assessment.

CERTIFICATIONS

- Codechef DSA Foundation Level (CCDSA)
- RASA Certified Chatbot Developer

EXPERIENCE

SAARTHI.AI | Conversational AI Designer
Aug 2020 - Mar 2021 | Bangalore, India
- Design, develop, and maintain multilingual text and IVR-based chatbots.
- Worked extensively on RASA and modified its open-source code to setup automated testing for conversations
- Setup analytics services for chatbots that help in generating business leads.

RESEARCH

IISC CLOUD SYSTEMS LAB | Researcher
Aug 2021 – Present | Bangalore, India
Currently working with **Prof J Lakshmi**(advisor), **Prof Yogesh Simmhan** and **Prof Anirban Chakraborty** to develop intelligent methods for cloud workload orchestration in data centers.

PROJECTS

ATOMIC BROADCAST PROTOCOL | Python
- Implemented a distributed token based atomic broadcast protocol as part of Distributed Systems Course Project.
- Demonstrated the protocol using 2 broadcast servers and 2 application servers. Each application message had a global unique sequence number, with acknowledgement for each message packet received.

TCP SYNCHRONIZATION | Python
- Simulated simultaneous close and open between two processes in two different systems using TCP 3-Way handshake protocol.

CBOT | Rasa | Flask | Rest API | Azure
- Chatbot developed using RASA to solve queries of C language, integrated with StackOverflow API to resolve complex queries.
- The bot is deployed on the Azure cloud and can be interfaced using Telegram and AimyBox.

ACHIEVEMENTS

Year	Rank	Event
2020	2nd/150	RIT ML Hackathon
2020	5540th	Google Kickstart
2020	4282th	Google Hashcode
2019	2281th/5564	(top 5 %) TCS CodeVita
2019	7th/100	E-Yantra IITB Robotics Competition