

Prathamesh Saraf

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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](#)
Instagram:// [@life.inscribed](#)
Quora:// [Prathamesh-Saraf](#)

COURSEWORK

GRADUATE

System Virtualization
Distributed Systems
Online Prediction and Learning

UNDERGRADUATE

Operating Systems
Algorithms and Data Structures
Computer Networks
Database Management
Machine Learning

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.
- Created an AI repository on GitHub which helps students to learn the basics of Python and ML.
- Conducted workshops on Python programming, which helped non-technical students to crack the TCS assessment.

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 generate automated test cases from current and past conversations of users.
- Setup analytics services for chatbots that help in generating business leads.
- Streamlined bot development process.

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 in 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

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