SARTHAK SHAH

CONTACT INFO

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Site lispy.tech

Blog blog.lispy.tech

Github github.com/cel7t

ABOUT ME

I am a third year Mathematics and ECE student with a keen interest in Programming Language Theory, Operating Systems and Cybersecurity.

EDUCATION

MSc IN MATHEMATICS

2021-2026

BITS Pilani | Hyderabad

(Ongoing)

BE IN ELECTRONICS AND COMMUNICATIONS ENGINEERING

2022-2026

BITS Pilani | Hyderabad

(Ongoing)

EXPERIENCE

GOOGLE SUMMER OF CODE CONTRIBUTOR

May 2023 -September 2023

GNU Guix

- Working on adding Parameterized Packages to GNU Guix, a transactional package manager and GNU/Linux distribution
- This project provides an interface for creating generic methods for setting and specifying compile-time options for packages, with a wide variety of applications ranging from High-Performance Computing to Embedded Systems

ASSISTANT SYSTEM ADMINISTRATOR

September 2023 - Present

High Performance Computing Lab | BITS Pilani, Hyderabad

TEACHING ASSISTANT

January 2023 - May 2023

High Performance Computing Lab | BITS Pilani, Hyderabad

PRESIDENT June 2022
- Present

Society for Open Software | BITS Pilani, Hyderabad

• Founded the Society for Open Software, a student body aimed at increasing GNU/Linux adoption on campus. Hosted and spoke at four workshops that covered dual-booting and shell scripting.

SKILLS

Computer Common Lisp, Clojure, Scheme, OCaml, C, C++

Languages

Systems Linux System Administration, Shell Scripting

Languages English, Hindi, Japanese

WORKSHOPS

DUALBOOTING WORKSHOP 2022 and 2023

Organizer and Speaker | BITS Pilani, Hyderabad (Slides can be found here)

SHELL SCRIPTING WORKSHOP

2022 and 2023

Organizer and Speaker | BITS Pilani, Hyderabad (Slides can be found here)

FUNCTIONAL PROGRAMMING AND TYPE THEORY

2023

Presenter | BITS Pilani, Hyderabad
(Ongoing Course covering Typed Racket)

ACHIEVEMENTS

PARTICIPANT, NSM GPU HACKATHON

2022

IIT Bombay

RANK 3, NCFE-NFLAT

2017-2018

NISM

(National Finance Exam supported by RBI, SEBI, IRDAI, PFRDA and NISM)

GOLD MEDALIST, QUEEN'S COMMONWEALTH ESSAY WRITING COMPETITION

2015

OTHERS

EDITOR-IN-CHIEF, WHISPER IN THE WOODS

2022

BITS Pilani Hyderabad's Annual Magazine

MEMBER ACM

CRuX, the programming club

Journal Club