

Mohammad Shehar Yaar Tausif

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EDUCATION

Indian Institute of Technology (IIT), Kharagpur

Bachelor of Technology in Mining Engineering - 2nd Year.

Sep. 2020 – Present

CGPA - 8.18

Vidya Bharati Chinmaya Vidyalaya, Jamshedpur

Class XII Central Board of Secondary Education (CBSE).

Class X Central Board of Secondary Education (CBSE).

April, 2007 – March, 2020

Percentage : 93.2%

Percentage : 96.4%

SKILLS

Programming Languages: C , C++, Golang

Technical Skills: Syscalls, I/O, Multithreading, Memory Management, IPC, TCP/IP & Sockets, Git.

Non Technical Skills: Problem-Solving and Critical Thinking.

Leadership: Was appointed the Vice Captain of the Indra House at high school for the year 2017.

PROJECTS

Concurrent Web Server | C Programming, Linux, TCP/IP, Sockets

October, 2021

- A concurrent web server in C using select() and sockets.
 - Effective error handling and message logging. Supported HTTP/1.1 Methods : GET, HEAD, POST.
- Available here :** <https://github.com/sheharyaar/web-server-in-c>

EXIF Data Extractor | C Programming, Linux

September, 2021

- Extracts EXIF data from Images and works for both Intel (II) endian and Motorola (MM) endian.
- Available here :** <https://github.com/sheharyaar/exif-data-extractor>

Smart Doorbell | Python, Telegram BOT, Raspberry Pi, IoT

March, 2021

- Smart doorbell with image clicking and delivery via Telegram Bot.
 - Persistent data storage, effective error checking and input sanitising.
- Available here :** <https://github.com/sheharyaar/DoorBOT-Telegram>

Presentations

- Memory Allocators in C - dmalloc at KOSS Lightning Talks. August, 2021
Available at - <https://github.com/sheharyaar/sheharyaar/blob/main/Memory%20Allocators.pdf>
- Introduction to Kernel Module Programming at KOSS event. July, 2021
Available at - <https://github.com/sheharyaar/sheharyaar/blob/main/KMP.pdf>

COURSES TAKEN

Advanced Calculus, Linear Algebra, Programming and Data Structures Theory and Laboratory.

RESPONSIBILITIES

Core Team Member at Kharagpur Open Source Society (KOSS)

July, 2021 - Present

- KOSS is a society dedicated to open source - <https://kossiitkgp.org/>
- KOSS Organises the Kharagpur Winter of Code (KWOC) and organises Workshops on various topics like Git, Python, etc.
- I prepared slides for workshop on Git and worked on mailing script for KWOC.