

Academics

2021-present	<i>B.Tech. in Industrial and Systems Engineering - Indian Institute of Technology, Kharagpur</i>
CGPA	8.89
2021	<i>Joint Entrance Examination, Advanced</i>
AIR	3884
2020	<i>Higher Secondary School Certificate Examination, CBSE</i>
Percentage	95%
2018	<i>Secondary School Certificate Examination, CBSE</i>
Percentage	96.4%

Projects

- **Working on PtokaX**
Working closely with one of the most popular server for DC, named as **PtokaX** and its scripts by *HiT-Hi-FiT-Hai*. I automated its setup and configuration along with managing services to restart it and configuring static IP address for the server in any scenario.
- **KWoC Stats API**
Worked on Stats generation API for **KWoC** in **golang** with **Postgresql** as database via *gorm* to fetch the contributions made by the participants during the event. Also worked with **MongoDB** via core-drivers for it in golang on a private project.
- **GSYNC**
Developed in *BASH*, gsync is a script which enables a ***nix** (*Linux and Unix*) user to automate my **self-devised process** of *syncing* files and folders from their local system *to GitHub* in *real-time* in a sophisticated manner as a **service** along with **colored-logs-management**.
- **Code Runner**
Developed in *BASH*, code-runner is a tool which *eases* a ***nix** (*Linux and Unix*) user in many ways *during the process* of **compiling** and **executing** their code written in various *supported* languages. Mentioning out some of them: **determining the version of python** (*90% accurate*), **single command to compile and run** code, **supports files with spaces in their name**, **cleans out compiled binary** after execution by-default if not commanded to not to do so, **vim and vs-code keybindings** maintaining the development flow, integrated **debugging mode**.
- **Own YouTube**
YouTube has turned into a *binge watching* and *addictive-content consumption* platform which unwillingly wastes our huge chunk of daily time. OWN YouTube is an **extension** developed using *Javascript, HTML* and *CSS* to tackle this exact problem by enabling user to **disable shorts, trending, recommendations** and whatever visible exists in the YouTube's front-end along with **blocking ads** and adding a few functionalities like customised **video-speed-controller** exceeding the *2x limit* set by YouTube.
- **Github OpenSource Projects**
Worked on a lot of opensource projects: [whapc](#), [spg](#) and [many more](#).

Technical Skills

Languages	Golang, Bash, Python, C, C++, Java, JavaScript, LaTeX, Nix-Lang
Data Storage / Handling	PostgreSQL, MongoDB
OS Platforms	Nix OS, Unix(Free BSD, Open BSD, Solaris-8,9,10 and MacOS X), Linux 5/6 (Debian, Fedora, CentOS, Arch, Gentoo and their derivatives), Windows (7, 8, 8.1 and 10)
Others	BackEnd Development, Object Oriented Programming, Penetration-testing(Red Teaming and Blue Teaming), Git and GitHub

Activities & Leadership

- **Co-Founder, Cybernity**: Created a community during my JEE preparation to spread the "real" ideology of cybersecurity (aka hacking) and helping (teaching and guiding) people the correct way to approach and learn in this field.
- **Core-Team Member, KOSS IIT Kharagpur**: Responsible for promoting and maintaining open-source culture; contributing to tools (campus-centric) such as feedback-automator, [FERP](#), and [timetable manager](#) and successfully organising KWoC-22 ([Kharagpur Winter Of Code](#)) a month long event for promoting open-source development with 1.2k+ participants.

Relevant Coursework

(T)heory and (L)aboratory

Completed	Programming And Data Structures (T/L) Linear Algebra, Numerical and Complex Analysis (T) DIY (L) Basic Electronics (T/L) Probability and Statistics (T) Operations Research-I (T)
Ongoing	Operations Research-II (T/L)