

## Academics

**2017-2022** | *B.Tech + M.Tech (Dual Degree) in Computer Science and Engineering, IIT Kharagpur*  
GPA | **8.72/10.0** (Currently Pursuing)

## Technical Skills

<b>Programming Languages</b>	C   C++   JavaScript   Golang   Python
<b>Libraries / Frameworks</b>	Node.js   OpenCV   Numpy   Pandas   Scipy   CoffeeScript
<b>Databases</b>	SQLite   MongoDB   PostgreSQL   MySQL
<b>Systems / Platforms</b>	Docker   Linux   Heroku   Microsoft Azure   Vagrant
<b>Web / Servers</b>	HTML   CSS   ReactJS   Flask   Jekyll   AngularJS   nginx   GraphQL
<b>Others</b>	Unity Game Engine (Boo Script)   Latex   SolidWorks   MATLAB

## Experience

<b>May 18</b>	<b>Student Developer: Project Nephos</b>	<b>CCEXtractor, Google Summer Of Code 2018</b>
<b>Aug 18</b>	<ul style="list-style-type: none"><li>- A client to automate the process of recording, processing and uploading IPTV streams for Universities under Red-Hen Labs, project closely supported by University Of Navarra, Spain.</li><li>- Learned extensive error handling, database management, remote server operations, FTP handling in Python, scheduling of jobs and maintaining elaborate logs to ease debugging.</li></ul>	
<b>Nov 18</b>	<b>SE Intern: VWO</b>	<b>Wingify, New Delhi</b>
<b>Jan 18</b>	<ul style="list-style-type: none"><li>- Dockerised core components of VWO to facilitate easy migration and production setup.</li><li>- Resolved data handling errors and UI fixes in VWO Dashboard, written using AngularJS.</li><li>- Improved data synchronization accuracy between front-end and data layer.</li></ul>	

## Projects

- **DigiCon, OpenSoft 2018 IIT Kharagpur**  
Gold winning entry (out of 13 entries) to the Inter Hall Opensoft, IIT Kharagpur. The project intelligently parses different parts of a doctor's prescription (written by hand) and is an amalgamation of multiple technologies such as OpenCV, Flask, Natural Language Processing, REST API, bash scripting and Docker.
- **Messiah, Microsoft CodeFunDo++ 2018**  
A service that predicts the magnitude of Earthquake using Tensorflow. Had the opportunity to learn optimization of web services; backend and frontend, reducing loading time by 2.5x. Later developed in Streethack Blockhack under open category and bagged Runners Up position.
- **Games Using PyGame And Python**  
Worked on two projects; AirHockey and BrkOut: implementing basic mechanisms of physics programming and graphic development along with elements to cryptography.
- **Salvator: Automated Task of Birthday Wishing**  
Salvator is a task-automation bot; sends birthday wishes and implements an aesthetic CLI.

## Activities & Leadership

- **OpenSource Program Mentor:** Mentored high school students for Google CodeIn 2018 under CCEXtractor and had the privilege of being a top mentor for GirlScript Summer of Code 2018; responsible for building GirlScript's website.
- **OpenSource Event Organizer:** Successfully conducted GirlScript Summer of Code 2019 and Kharagpur Winter of Code 2018; responsible for the development, deployment and maintenance of the website (full-stack).
- **Student Speaker, Pragma IIIT Allahabad:** Spoke about efficient methods of planning and programming for perpetual processes in order to avoid overhead costs of maintenance and denial of service.
- **Maintainer, MetaKGP IIT Kharagpur | Executive Member, KOSS IIT Kharagpur:** Responsible for fostering participation, promoting the growth of open-source culture and maintaining open-source (campus-centric) APIs, services and task-bots.

## Scholastic Achievements

- **IITJEE Advanced AIR 286:** Under top 0.15% amongst more than 2,00,000 students
- **IITJEE Mains AIR 2285:** In top 0.2% amongst more than 11,00,000 students.

## Relevant Coursework

<b>Completed</b>	Programming And Data Structures (T/L)   Algorithms I (T/L)   Discrete Structures (T)
<b>Currently Studying</b>	Formal Language And Automata Theory (T)   Software Engineering (T/L)   Switching Circuits And Logic Design (T/L)

(T)heory and (L)aboratory