

## 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

Programming Languages	C   C++   JavaScript   Golang   Python   Java
Libraries / Frameworks	Node.js   OpenCV   Click   CoffeeScript
DBMS	SQLite   MongoDB   PostgreSQL   MySQL
Systems / Platforms	Docker   Linux   Vagrant   Heroku   Microsoft Azure   Google Cloud Platform
Web Technologies	Jekyll   Foundation 6   Bootstrap   Flask   Django   ReactJS   AngularJS   REST   GraphQL   Nginx
Others	Unity Game Engine (Boo Script)   Latex   SolidWorks   MATLAB

## Experience

May 18	<b>Student Developer: Project Nephos</b>	<b>CCExtractor, Google Summer Of Code 2018</b>
Aug 18	<ul style="list-style-type: none"><li>- A client to automate the process of recording, processing and uploading IPTV streams for Universities under <a href="#">Red-Hen Labs</a>, 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>	
Nov 18	<b>SE Intern: VWO</b>	<b>Wingify, New Delhi</b>
Jan 18	<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 speed and efficacy 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

Completed	Programming And Data Structures (T/L)   Algorithms I (T/L)   Discrete Structures (T)   Formal Language Automata Theory (T)   Software Engineering (T/L)   Switching Circuits And Logic (T/L)
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(T)heory and (L)aboratory