

## Academics

**2017-2022** | *B.Tech + M.Tech (Dual Degree) in Computer Science and Engineering, IIT Kharagpur*  
GPA | **8.54/10.0** (Ongoing)

## Technical Skills

<b>Programming / Scripting Languages</b>	C   C++   C#   JavaScript   Golang   Python   Java   PHP
<b>Libraries / Frameworks</b>	Node.js   OpenCV   Click   .NET Core   Xamarin
<b>DBMS</b>	SQLite   MongoDB   PostgreSQL   MySQL
<b>Systems / Platforms</b>	Linux   Docker   Vagrant   Heroku   Azure   GCP
<b>Web Technologies</b>	Jekyll   Foundation 6   Bootstrap   Flask   Django   ASP.NET   ReactJS   AngularJS   REST   GraphQL   Nginx

## Experience

<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 speed and efficacy between front-end and data layer.</li></ul>	
<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 command line tool to automate the process of recording, processing and uploading IPTV streams for Universities under <a href="#">RedHen 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, modular configuration implementation, extensive logging and <a href="#">DRY methods</a>.</li></ul>	

## Projects

- **Sample-Platform, Google Summer of Code 2019**  
Continuous Integration platform for [CCEXtractor's principal repository](#): improved the code sanity checking mechanisms through mypy, dodgy and other tools, increased unit-test coverage from 60.2% to 90+%, setup database migration methods, improved file comparison algorithms, implemented parallel running of tasks, [and more](#).
- **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.
- **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.

## Activities & Leadership

- **Student's Technology Coordinator, Technology GymKhana, IIT Kharagpur**: Holding the highest nominated technical position in the institute, I'm responsible for the smooth building and development of all technological fronts; [GymKhana website](#) maintenance, Institute's app development, students' grievance portal, etc.
- **OpenSource Program Involvement**: Mentored high school students for Google CodeIn 2018 under [CCEXtractor](#) and was a top mentor for GirlScript Summer of Code 2018 and [Summer of Innovation, IIT Dharwad](#). 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.

## Relevant Coursework

<b>Completed</b>	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)   Probability And Statistics (T)
<b>OnGoing</b>	Computer Organization And Architecture (T/L)   Algorithms II (T)   Compilers (T/L)   Linear Algebra (T)

(T)heory and (L)aboratory