

## Academics

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

## Technical Skills

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

## Experience

May 19	<b>SE Intern: Income Tax Filing Tool</b>	<b>ClearTax, Bangalore</b>
July 19	<ul style="list-style-type: none"><li>- Updated stale data in micro-services and API data-layers and synchronized ITR-2, ITR-3 and ITR-4 filing with Income Tax Department's new schema for 2018 fiscal-year ITR filing retaining backward compatibility.</li><li>- Improved DevOps by setting up better logging, automation and Income Tax Department's captcha breaking using IIS, Scalyr, Spinnaker and TensorFlow OCR.</li><li>- Enabled A/B testing with <a href="#">GTM</a> and <a href="#">Google Optimize</a>; orchestrated <a href="#">Retool</a> tools for marketing-sales department.</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>- Optimized data queries and improved reliability along with UI fixes in VWO Dashboard, written using AngularJS.</li></ul>	
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>- Authored CLI to automate recording, processing and uploading IPTV streams for 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

- **CloudCron, Co-Founder**  
Software as a Service (SaaS) platform to ease the setting up and execution of cron-tasks; led the tech-team with stack comprising of Google Cloud Services (AppEngine, CloudSQL, PubSub, CloudScheduler and more), Python, PostgreSQL, Kubernetes API and more.
- **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 to predict magnitude of Earthquake using Tensorflow: web-app optimization leading to 230% lesser loading time. Upscaled and improved version bagged runners up under open category in [Streethack Blockhack](#).
- **DigiCon, OpenSoft 2018 IIT Kharagpur**  
Gold winning entry (out of 13 entries) to the Inter Hall Opensoft, IIT Kharagpur. The project parses a doctor's hand-written prescription using OpenCV, Flask, Natural Language Processing, REST API, bash scripting and Docker.

## Activities & Leadership

- **Student's Technology Coordinator, Technology GymKhana, IIT Kharagpur**: The highest nominated technical position in the institute; responsible for [GymKhana website](#) maintenance, Institute's app development, students' grievance portal, etc.
- **OpenSource Involvement**: Mentored high school students for GCI 2018 under [CCExtractor](#), top mentor for [GSSoC 2018](#) and [Sol 2019, IIT Dharwad](#). I've successfully conducted (as a organizing cum web team member) [GirlScript Summer of Code 2019](#) and [Kharagpur Winter of Code 2018](#), among 25 volunteers selected from nationwide colleges for [Codepreneur week 2019](#).
- **Student Fellow, Google Explore ML Academy**: Selected as a student fellow under Google Explore ML Program to learn, practice, teach and prepare ML enthusiasts on Campus and National Level.
- **Student Speaker, Pragma IIIT Allahabad**: Had the opportunity to share my experience regarding [efficient methods of planning, programming for perpetual processes](#), avoiding overhead maintenance costs and denial of service.
- **Maintainer, MetaKGP IIT Kharagpur | Executive Member, KOSS IIT Kharagpur**: Responsible for promoting and maintaining open-source culture and [tools](#) (campus-centric) such as knowledge wiki, APIs, services, scrappers and bots.