

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 Flask Django ReactJS AngularJS REST GraphQL Nginx
Others	Unity Game Engine (Boo Script) Latex SolidWorks MATLAB

Experience

May 18	Student Developer: Project Nephos	CCExtractor, Google Summer Of Code 2018
Aug 18	<ul style="list-style-type: none">- 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.- Learned extensive error handling, database management, remote server operations, FTP handling in Python, scheduling of jobs and maintaining elaborate logs to ease debugging.	
Nov 18	SE Intern: VWO	Wingify, New Delhi
Jan 18	<ul style="list-style-type: none">- Dockerised core components of VWO to facilitate easy migration and production setup.- Resolved data handling errors and UI fixes in VWO Dashboard, written using AngularJS.- Improved data synchronization speed and efficacy between front-end and data layer.	

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)
Currently Studying	Formal Language And Automata Theory (T) Software Engineering (T/L) Switching Circuits And Logic Design (T/L)

(T)heory and (L)aboratory