

Srinjoy Choudhury

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EDUCATION

MANIPAL INSTITUTE OF TECHNOLOGY

B.TECH IN COMPUTER SCIENCE
 Expected 2021 | Manipal
 Cum. GPA: 8.56

DELHI PUBLIC SCHOOL

CBSE - 85.0% | PCM + CS
 Grad. April 2017 | Kolkata, IN

LINKS

GitHub:// [srinchow](#)
 Codechef:// [srj1234](#) 1848(div 1)
 Codeforces:// [srinchow](#) 1612(expert)
 LinkedIn:// [Srinjoy Choudhury](#)

COURSEWORK

UNDERGRADUATE

Operating Systems - A
 IOS development - A+
 Data Structure - A
 Algorithms - A
 Database design - A
 Discrete Maths - A+
 Parallel Programming
 Computational Maths
 Distributed Systems

SKILLS

PROGRAMMING

Proficient in:

C++ • Python • Nodejs • Swift
 Redis • C • MySQL • \LaTeX • ExpressJS •
 MongoDB • Shell

Knows :

HTML • Java • CSS • PHP • Assembly

Familiar:

Ruby • Golang • Android • Docker

EXPERIENCE

WEBBED IT SOLUTIONS | INTERN

Expected May 2018 – July 2018 | Kolkata , India

- Developed the website backend for Webbed from scratch using MERN stack .
[Link](#)

IECSE 2017-2020 | TECHNICAL HEAD

- IECSE is the official computer science club of Manipal. It hosted events such as Smart India Hackathon and its own annual event Prometheus sponsored by github.
- Wrote numerous microservices and api for the use of our applications and platforms of ICESE Manipal
- Educated and designed question on algorithms and data structure for learning towards juniors.
- link to CodePlatform Website

WEB DEVELOPER FOR MIT MANIPAL

2018 – 2020 | Manipal , IND

- Responsible for design and development of all platforms, portals and apis for the 2 largest Fest in Manipal
- Development and deployment of various websites and its maintenance. Run various complex DB queries to analyse the data.
- Used technology such as qr scanner, payment that handles over 10000 user making over 5 lac of payment online securely.

PROJECTS

MATRIX OPTIMIZER May 2020 – Present | Kolkata , India

Made a high performance generic Matrix library that does matrix operations faster using parallel programming and fft to optimize the matrix multiplication algorithm. Used Singular value decomposition to store matrices efficiently.

MEMBERS PORTAL | CONTRIBUTOR

Wrote the server API for IECSE members portal. Serving more than 1300 active users. Wrote the api for use in app and web as well Developer and current maintainer of the Server. Tech Stack: Nodejs ,mysql, Redis

GRAPH DB

Wrote a simple graph database that uses nodes and edges to represent some objects and relations.

Used it in a small scale app to faster query for some relationship based projection.

AWARDS

2019	Nationals	Qualified for ICPC Regionals in KGP, Team Aether
2018	PreEliminator	Qualified till final eliminator for Snackdown
2019	Winner	Online Coding, Battleship for Prometheus 2019
2019	Qualified	Till round 2 of codejam