



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2023	B.TECH	IIT Kharagpur	7.45 / 10
2019	12th Board	NIOS	73%
2016	10th Board (RBSE)	Emmanuel Mission Sr Sec School	80%

INTERSHIPS

Software Development Intern | Myntra (May '22 - July '22)

- Developed a service in the internal tool for **CRUD** operation on the styles data base receiving **100-150 Request per minute**
- Used **GRPC** to create **4 bidirectional streaming** API calls from client to server which are **7 time faster** than Rest APIs
- Reduced the cost and dependency on internal tools in lower environment by creating new **GRPC Schema and GRPC Client**
- Used **StatsD** in NodeJS to create a statistics matrix and graph for the important stats of internal tool to monitor performance
- Implemented **pagination** while reading the style data from server in NodeJS to handle large size data and make the call faster

PROJECTS

Dynamic Website of a Restaurant | Web Development with MERN Stack (Jan '22 - March '22)

- Used **React** and **Redux** to create a user interface for the website allowing users to see the meals and amenities provided
- Implemented **secure authentication** using NodeJs Passport middleware by local, JWT and OAuth Authentication strategies
- Successfully deployed the fully functioning website on the **Heroku Cloud Application Platform** to get it live and running

Travel in Good Health Management System | Guide: Dr. Abir Das (Jan '21 - April '21)

- Developed a **Food order and Delivery** portal for train passengers with itemwise classification and food delivery restriction
- Created a front-end using **ReactJS** and backend in **TypeScript** which helped in replicating UML Diagrams
- Explored various stages of Software Development Life Cycle like **SRS** preparation, **UML** designing, **Implementation & Testing**

Rubik's Cube Solver (March 2021)

- Implemented 2D Rubik's cube simulator and solver using **java swing** where user can interact with 2D map
- Performed **CFOP** (Cross -F2L -OLL -PLL), also known as the Fridrich method to solve the cube in **less than 30** moves

AWARDS AND ACHIEVEMENTS

- Secured **All India Rank 254 (general) in JEE Advanced 2019** among 260,000 candidates who appeared for the exam
- Secured **All India Rank 204 (general) in JEE Mains 2019** among 1,300,000 candidates who appeared for the exam
- Selected for coding team of Kharagpur RoboSoccer Students Group (**KRSSG**) among 400+ candidates

COMPETITION/CONFERENCE

- Achieved the position of **Expert** with a peak rating of **1872** that is among top **8%** coders on **codeforces** (handle - Akshatvj)
- **Ranked 1254** among 15000+ candidates in Google **Kickstart** and **2539** out of **25961** candidates in Round 1 **Code Jam**
- **Ranked 266** in division 2, round 726 and **324** in division 3, round 713 among 13000+ participants on Codeforces contest

Robo-soccer Tournament (September 2020)

- Member of the **Silver** winning team in robosoccer, an intra college tournament organized by Technology Robotics Society
- Constructed a basic bot controlled with the help of two DPDT switches and 4 wheels for moving in every direction

SKILLS AND EXPERTISE

- **Languages and libraries** : C | C++ | SQL | Java | Python (scikit-Learn, scipy, Pandas, Numpy, TensorFlow, Keras, Pygame)
- **Software and Soft skills** : Linux | Windows | GRPC | Statsd | Git | Anaconda | Postman | Debugging and Problem Solving

COURSEWORK INFORMATION

- | | | |
|----------------------------------|------------------------------|-------------------------------------|
| • Algorithms - I* | • Software Engineering* | • Compilers* |
| • Operating Systems* | • Networks* | • Programming and Data Structures* |
| • Algorithms - II | • Big Data Processing | • Theory of Computation |
| • Artificial Intelligence | • Probability and Statistics | • Cryptography and Network Security |
| • Combinatorics and Graph Theory | • Parallel Algorithms | • Object Oriented Systems |

Courses marked * have laboratory component as well

POSITIONS OF RESPONSIBILITY

Member | Technology Adventure Society (TAdS) | IIT Kharagpur (Aug '20 - March '21)

- Performed on-campus publicity, fundraising and event management of events like paintball, zorbing, rappelling, zipline, etc
- Mentored a team of 28 Associate Members, helping them develop their management and web development skills

EXTRA CURRICULAR ACTIVITIES

- Member of Illumination team of MMM Hall of Residence, IIT Kharagpur which attained **4th position** among 20+ halls