



## EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2024	M.TECH Dual Degree 5Y	IIT Kharagpur	8.69 / 10
2018	Senior Secondary Examination	St. Mary's School, Najibabad	94%
2016	All India Secondary School Examination	St. Mary's School, Najibabad	92%

## PROJECTS

## Memoir App | Self Project

Dec 2021 - Jan 2022

- Built a **Node.js RESTful API** for a memoir **social media app** where people can publicly add or delete photos.
- Created the front-end of the application using **ReactJS** using prebuilt components from **Material/UI**.
- Authentication done using **JWT tokens** stored in Local Storage and **Google OAuth**.
- Integrated the frontend and the backend and migrated all the data to **MongoDB** database.
- Added the option to edit and delete self posts implemented at both client and server level.
- Successfully deployed the fully functioning website on **Heroku** and **Netlify** platform to get it live and running.

## Expense App | Self Project

May 2021 - June 2021

- Created an **Expense App** where people can enter and monitor their income and expenses.
- Designed the front-end of the application using **CSS, JavaScript** and templates from **Bootstrap**.
- Utilized the templates with the back-end using Django Framework with various of its security features.
- Used the **MVT (Model-View-Template) architecture** of Django to model the data to a **SQLite** database.
- Added the option to **reset password** through email id using python's inbuilt **threading** feature.
- Income and Expense summary page to show all income and expenses using **charts**.

## Shrink Image App | Self Project

Aug 2021

- Created a **RESTful API** using **Django Rest Framework** for adding, updating and deleting the data.
- API runs an **async multithreaded** backend service to reshape the image in data using **DjangoQ** task scheduler library and high speed, in-memory **Redis** database.
- Configured a **SQLite** database to be used as a Primary Database to store and queue the tasks.

## SKILLS AND EXPERTISE

- **Programming Languages:** Javascript | C | C++ | Python | Java | CSS
- **Libraries and Databases:** NodeJS | AngularJS | React | Ajax | Numpy | Pandas | MongoDB | JWT | OpenCV
- **Softwares:** ANSYS | SOLIDWORKS | LT Spice | MATLAB | Eagle | HitFilm
- **OS & Others:** Linux | Windows | Git Version Control | GitHub

## COURSEWORK INFORMATION

Programming and Data Structures | Programming and Data Structures Lab | Artificial Intelligence | Transform Calculus | Numerical Solutions Of Ordinary and Partial Differential Equations | Basic Electronics | Differential and Integral Calculus (Math I and II) | English for Communication  
Introduction to Web Development, Udemy | Supervised Machine Learning: Regression and Classification, Coursera

## AWARDS AND ACHIEVEMENTS

Secured a rank of **3154** in **JEE Advanced, 2019** among **250,000 students** who qualified for the exam.  
Secured a rank of **4035** in **JEE Mains, 2019** among **approximately 10 lakh students** registered for the exam.  
Secured **11th rank** in **UPSEE, 2019** among approximately 1.5 lakh students registered for the exam.  
Achieved a Global Rank of **3984** among 15000+ candidates in **Google KickStart 2022 Round A**.

## EXTRA CURRICULAR ACTIVITIES

- Part of the National Sports Organization (**NSO**) **Athletics team, IIT Kharagpur** in the **High Jump** Category.
- Placed **1st** in a **RoboSoccer Tournament** held by Robotix Society, IIT Kharagpur.
- Member of the **KRSSG Research Group, IIT Kharagpur** which create soccer playing **automated robots**.
- Member of **Team Kart**, research group under **Mechanical Engineering** Department, **IIT Kharagpur**.
- My Hobbies and Interests include playing chess, video games and cricket, gardening, trekking, anime, drawing.