



EDUCATION

| Year | Degree/Exam | Institute | CGPA/Marks |
|------|--|---|------------|
| 2025 | M.TECH | IIT Kharagpur | 9.81 / 10 |
| 2023 | B.Tech in Computer Science and Engineering | Maulana Abul Kalam Azad University of Technology | 9.31 / 10 |
| 2020 | Diploma in Computer Science & Technology | West Bengal State Council of Technical & Vocational Education and Skill Development | 88.8% |
| 2017 | Secondary School Examination | West Bengal Board Of Secondary Education | 84.57% |

INTERNSHIPS

Workforce Cloud Tech | Trainee Software Intern**[Oct'22 - Apr'23]****Objective :** To developed and optimized functionalities of recruiting and candidate management system

- created programs that allow users to send **automated mail** according to trigger events using **Nylas** system
- was in charge of fixing **+20 existing** design and functionality bugs and built QA Automation scripts

Digilocker Government | Back-end Intern**[Mar'22 - Jun'22]****Objective :** To upsize the dataset and speed up the application Designing efficient Python scripts

- assimilated **10+ datasets** from government reports on Poshan Tracker to be integrated into MySQL database
- worked on **RabbitMQ** API handling that facilitates message queues communication and made application **faster**

PROJECTS

Routine Generation Application | Self Project**[Oct'20 - Feb'21]**

- Developed a web application that helps teachers **automated** the **generation of routine schedules** according to their preferences
- Web application to capture different class information, different teacher-preferred timeslots, subject details , *and institute weekdays.*
- Generate multiple routines by employing a **Generic Algorithm** with high **fitness** scores and let the User choose which is best for them

Virtual Mouse and Painting | Self Project**[Feb'22 - Mar'22]**

- Implemented a **Hand-tracking** application that captures finger movement and signs to **remotely control** mouse functionalities
- Using the **mediapipe, autopy** to extract 20 hand key points and used geometry to evaluate the mouse moment
- Implement a functionality using **Tkinter** to **highlight , draw, and mark** on the screen, take screenshots, totally remotely

Question –Answer Generator using NN | B.tech. Project**[Dec'22 - May'23]**

- Developed an advanced question-answering system tailored for **paragraph processing** using **stanford question answering dataset**
- Using the **Nltk, Tensorflow** to extract tagging from the words and train the **NN** model to generate **'wh' or mcq** questions with incorrect options
- Conducted qualitative analysis, compared with a similar model used **Naive Bayes** accuracy improved from **37% to 81%**

COMPETITION/CONFERENCE

Competitive programming experience**CodeChef :** peak rating **1764** (old rating) profile : **gourav_22**

- Ranked **96** among 17899 global participants in February Long 2022 - I, Division 3
- Ranked **30** among 2621 global participants in May Long One 2022 Division 3

Data Visualization Challenge | Capsule Labs**Objective :** To find relation within time series data and visualize it to show the highlights

- Conducted in depth exploratory **data analysis** on stock market dataset and implemented **RNN** to identify the **top 20%** of the stocks
- Effectively presenting the data, showcasing **opcoming years** annual stock performance and returns.

AWARDS AND ACHIEVEMENTS

GATE 2023 :Ranked among the top **0.15% of the 75680** candidates in computer science GATE 2023 paper.

SKILLS AND EXPERTISE

- **Programming Language / Software :** JAVA | PYTHON | C | C++ | GIT | SQL | HTML | CSS | JavaScript | VueJs | Laravel | VS code
- **Libraries and tools :** numpy | pandas | sklearn | BeautifulSoup | TensorFlow

COURSEWORK INFORMATION

- ALGORITHM DESIGN AND ANALYSIS | DATA ANALYTICS | MACHINE LEARNING
- ONGOING : DEEP LEARNING | NATURAL LANGUAGE PROCESSING | HIGH PERFORMANCE IN COMPUTER ARCHITECTURE

EXTRA CURRICULAR ACTIVITIES

- Member of Chess club on MMM hall , IIT Kharagpur ,Actively involved in activities of the club.