EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2024	M.SC(5YR)	IIT Kharagpur	7.43 / 10
2018	Senior Secondary Examination (RBSE)	Gargi Institute Education Sr. Sec. School	88%
2016	Secondary Examination (RBSE)	Raja Public Sr. Sec. School	92%

INTERNSHIPS

NITI AI | Software Development Engineer Internship   (February 2023-August 2023)

- Demonstrated expertise in a modern tech stack, leveraging **React.js** and **Next.js** to craft dynamic, responsive UIs
- Empowered team by seamlessly transitioning manual **JSON**-based workflows to intuitive UI-based configurations
- Facilitated seamless **UI customization** through dynamic components, enhancing user interaction and experience
- Elevated user experience with a revamped UI, seamlessly integrating **third-party APIs**, and **optimizing data flow**
- Used **React Flow** for interactive graph UI, visualizing intricate data relationships for enhanced user insight
- Enabled **UI/UX** improvements, providing valuable insights and innovative suggestions across product segments

PROJECTS

Virtual Desktop Assistant | (Self Project)   (December 2021)

- Created python-based voice-activated assistant that allows user to interact and complies with their commands
- Made use of **Pyttsx3** and **SpeechRecognition** modules to deploy text-to-speech and speech-to-text features
- Generated structured email sending feature using **Smtplib** and **email.message** with **Transfer Layer Security**
- Used **Pywhatkit** module to deploy feature to automate WhatsApp messages and play any video on YouTube

Tour Booking App | (Self Project)   (June 2023)

- Developed a RESTful API to power an intuitive tour booking web platform using **Node.js**, **Express**, and **MongoDB**
- Implemented a user authentication and authorization system using **JWTs** to control seamless access to routes
- Uplifted API safeguards with strategic **Rate limiting**, fortified **HTTP** headers, and stringent data purification tactics

Expense Management Web App | (Self Project)   (August 2023)

- Executed end-to-end development of Expense Tracker, demonstrating proficiency in **React** & **JavaScript** principles
- Demonstrated adept React skills by seamlessly managing transaction addition and deletion with **Context API**
- Incorporated voice capabilities using **Speechly**, enhancing the Expense Tracker with advanced user interaction

SKILLS AND EXPERTISE

Languages : C | C++ | Python | HTML | CSS | JavaScript | TypeScript | SQL
Libraries/Frameworks/Databases : C++ STL | React.js | Next.js | Node.js | Redux | PostgreSQL

AWARDS AND ACHIEVEMENTS

- Demonstrated strong problem-solving skills by achieving peak rating of **1100** on Codeforces and **1666** on LeetCode
- Successfully secured a seat in the top **1%** out of around **12** lakhs candidates who appeared in **JEE-Advanced** 2019
- Secured **98.17** percentile in **IIT JEE-Main**, 2019 examination among more than 12,00,000 individuals appeared

COURSEWORK INFORMATION

Computer Science : Programming and Data Structures (Theory + Lab)
Mathematics : Mathematics I | Partial Differential Equations | Transform Calculus | Object Oriented Programming
Core : Geophysical Signal Processing | Physics of Solid Earth | Petrology | Seismology | Borehole Geophysics

POSITIONS OF RESPONSIBILITY

Advisor | Rajasthan Cultural Association IIT Kharagpur   (August 2022-April 2023)

- Oversaw and mentored a **50+** member team, guiding the execution of **5+** events under my expert advisory
- Managed the budget of more than **1.5** lakhs for one of the biggest cultural fest **Khamma Ghani** of IIT KHARAGPUR
- Generated highest **revenue** during my tenure by stratigically orchestrating cultural and sports events
- Spearheaded branding, venue decoration, and achieved **8k+** social media following, enhancing event experiences

EXTRA CURRICULAR ACTIVITIES

- Part of the **Silver** winning team of Kharagpur Premier League cricket tournament organised by IIT Kharagpur
- Took part in building a 15000 sqft. **illumination** and Rangoli structure,finishing in fourth place with 100+ students
- Volunteered for National Service Scheme (**NSS**) programme at IIT Kharagpur for blooming of rural areas
- Organised Mental Health Sessions for the students of Pandit Madan Mohan Malviya hall of residence in covid-19