



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2024	B.TECH	IIT Kharagpur	8.35 / 10
2019	Higher Secondary School Certificate	Central Board of Secondary Education	94.8%
2017	Secondary School Certificate	Central Board of Secondary Education	9.4 / 10

INTERSHIPS

Engineering Development Group(EDG) Intern | MathWorks [May'23 - July'23]

- Developed 2 **Simulink blocks** for **Pulse Oximeter** and **DS18B20** (Temperature Sensor) using IO Device Builder App
- Tested and validated **I2C sensor creation methodology** in MATLAB, subsequently designed the L3G420D sensor
- Elevated the existing MATLAB I2C methodology to significantly **enhance sensor creation capabilities** in Simulink
- Actively engaged in the **Bashing** event and found **5 bugs and enhancements** across various MathWorks products

Full Stack Developer | Qnext.AI [Feb'23 - March'23]

- Spearheaded the development of entire frontend using **ReactJS, CSS & MUI**, aligning design with user experience
- Engineered the integration of frontend with **Firebase** for **user authentication**, enhancing security and functionality

Product Development Intern | Narrato [May'22 - July'22]

- Revamped a **collaborative platform into single-user interface**, while retaining intricate functionalities and usability
- Designed its frontend using HTML, QuillJS, CSS, Bootstrap, backend using **Django** framework and **SQL** as database
- Crafted 3 distinct **plan-based feature** access, enabling dynamic access & restrictions based on the subscribed plan

PROJECTS

Interview Scheduler (Self Project) [June '23 - July'23]

- Developed a web application for interview scheduling, and candidate management, considering diverse constraints
- Devised an **algorithm for interview scheduling**, by selecting interviewers based on their availability & specialisations
- Implemented an extensive system comprising **data migration, status tracking, and user specific-authorization**

Store Management App [Feb '23 - April'23]

- Designed and developed a web application for efficient **sales and staff management** within the store environment
- Orchestrated system using **React & NodeJS** to **add sales report & staff details** with **OTP verification** using **Twilio's** messaging services
- Enhanced store efficiency, **reduced manual work by 15%**, with accurate sales tracking and better business analysis

COMPETITION/CONFERENCE

- Led a team to clinch the **1st position among 30 contenders** in a web-development hackathon 'Hack-an-Intern'
- Achieved 11th position in Web-a-Thon organised by Kshitij IIT Kharagpur, **largest Techno-Management Fest** in Asia
- Attained **3 stars** with max rating of **1700+** on Codechef, competitive programming platform (handle - sanskar12k)
- Secured a rank of **2121** in **Google Kickstart Round D 2022** among 8,000+ participants from all over the globe

SKILLS AND EXPERTISE

- **Programming Languages:** Proficient :- C++, JavaScript, HTML5, CSS | Familiar:- Python, C, SQL, Solidity, and PHP
- **Packages & Libraries:** STL, Django, ReactJS, NodeJS, ExpressJS, Bootstrap, MaterialUI, JQuery, GSAP, QuillJS
- **Software & Operating System:** GIT, XAMPP, Canva, Latex, FreeCAD, Matlab, WordPress, Windows, Simulink

COURSEWORK INFORMATION

- **Computer Science:** Computer Architecture Operating System, Artificial Intelligence(AI/FA) and Hardware Security
- **Mathematics:** Advanced Calculus, Probability and Statistics, Linear Algebra Numerical and Complex Analysis
- **Electrical & Electronics :** Signal & System, Analog Electronic Circuit and Digital Electronic Circuit (Theory + Lab)
- **MOOCs:** Data Structure and Algorithms(DSA), Internet of Things (IoT) and Web Development

POSITIONS OF RESPONSIBILITY

Web Team Member | Students' Alumni Cell, IIT Kharagpur [Aug'21 - May'22]

- Wire-framed for new design of the official website of **Students Alumni Cell**, and rebuilt the entire UI/UX
- Developed the Alumni Networking Portal for connecting **400+** alumni to participate in the **Annual Alumni Meet**
- Designed frontend of Image sharing cum **Social Networking Portal (Yearbook)** for the graduating batch of 2022
- Portal experienced more than **2700 active users**, and more than **10,000** Images, **6000** Testimonials were shared

EXTRA CURRICULAR ACTIVITIES

- Mentored 4 first-year students under **Mentor-Mentee** Program organised by Student Welfare Group, IIT Kharagpur
- Engaged actively in the simulated stock trading event **Woodstock** organised by Kshitij, IIT Kharagpur