



SHAUNAK GHOSH | 21ME10076

MECHANICAL ENGG.(B.Tech 4Y)



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2025	B.TECH	IIT Kharagpur	8.57 / 10
2020	AISSCE	Hem Sheela Model School, Durgapur	94.2%
2018	ICSE	St. Vincents School, Asansol	93.67%

WORK EXPERIENCES

Full-stack Intern | Search-in

Jun'23 - Present

- Contributed to the seamless **integration** of an **Admin Dashboard** using **ReactJS** boosting user engagement by **20%**
- Developed **5 APIs** using **NodeJS** to retrieve and manipulate data for over **10k+** users, **500** crop records, and **1k+** orders
- Contributed to the frontend of **Shopify Vendor**, a multiwarehouse marketplace, through seamless integration of **Shopify API**
- Collaborated on **ReactJS** integration for frontend and backend connectivity, reducing order processing time by **30%**

Full-stack Intern | Pepcorns

Mar'23 - Apr'23

- Developed **NodeJS** and **SQL**-based **referral module**, incorporating **APIs**, **database schemas**, and frontend integration
- Integrated **3** dynamic **ReactJS** and **SQL**-based frontend pages, enhancing the **Pepcorns** website's user engagement by **15%**
- Collaborated on **AWS** live server, using **SSH** for remote access, and efficiently managed **500+** file transfers with **FileZilla**.

Full-stack Developer | Spring Fest | IIT Kharagpur

Jun'22 - Feb'23

- Worked as a **Full Stack** Developer in a team of **14** members for **Spring Fest**, IIT Kharagpur's cultural fest
- Built a **Full Stack** game and **5 Frontend** web apps, attracting **10K+** users for event registrations and accommodations
- Enabled **8k+** registrations nationwide by developing **Sign-in** and **Sign-up** components for the **Nationwide Prelim** Website.

PROJECTS

Chat App | FullStack Webapp

May'23

- Developed a database-backed **real-time Chat App** using **Socket.io**, enabling users to communicate and store chat history
- Incorporated **Web Speech API** to enable **Speech Synthesis** (Text-Speech) and **Speech Recognition** (Speech-Text) functions
- Constructed **JWT** token-based **Login** and **Signup** components, and integrated them with the backend for **authorization**
- Languages and Frameworks** : MongoDB | ReactJS | Socket.io | NodeJS | Express.js | JavaScript

Treasure Hunt Game | Spring Fest 2022 | IIT Kharagpur

Jan'23

- Contributed to a game played during **Spring Fest** where **scanning** the correct location's **QR code** reveals the next question
- Constructed **SQL-based APIs** for team data entry into **database schemas** and for fetching and updating questions
- Merged **NodeJS** and **ReactJS** through implementation of **RESTful APIs** for seamless integration of frontend and backend
- Languages and Frameworks** : ReactJS | NodeJS | Express.js | MySQL | JavaScript

Spring Fest Website | Spring Fest 2022 | IIT Kharagpur

Dec'22

- Contributed to the mobile version of the **Spring Fest 2022 website**, garnering **10K+** users and **8K+** registrations nationwide
- Constructed **ReactJS**-based **Events** component and **Registration** form, seamlessly integrating them with the backend
- Created **Sign-In** and **Sign-Up** Components using **Formik** and **Yup**, integrating them with the backend using **ReactJS**

Lyrics | Frontend Webapp

Nov'22

- Developed a **music application**, leveraging **Shazam Core API** from **Rapid API Hub** for fetching song and artist details
- Created various **rendering components** for top charts, genres, and artists, mainly focusing on a visually appealing design
- Implemented a robust **music player** component with essential features, including play, pause, next and previous buttons

SKILLS AND EXPERTISE

- Languages**: C | C++ | Python | JavaScript | HTML | CSS | MySQL | MongoDB
- Frameworks**: Node.js | Express.js | ReactJS | AngularJS | Rest API | Tailwind CSS | Bootstrap | Material UI

COMPETITION/CONFERENCE

- Participated in Kshitij's **Web-A-Thon**, and built a FullStack **competition-centric** website for team formation and collaboration
- Made valuable contributions to **2 Open source** projects in **KWoc'22** (Kharagpur Winter of Code) in **ReactJS** and **Javascript**
- Participated in **Microsoft Azure's Fastest Coder Hackathon**, and built a personal **finance tracker** with **Javascript**

AWARDS AND ACHIEVEMENTS

- Secured **AIR 2505** (All India Rank) in JEE Advanced 2021 and **AIR 4163** in JEE Mains 2021 out of **10 lakh** candidates
- Secured **155th** rank in WBJEE (West Bengal Joint Entrance Examination) 2021 out of **1 lakh** candidates.

COURSEWORK INFORMATION

- Academic Courses**: Design and Analysis of Algorithms, Algorithms I, Programming and Data Structures, Transform Calculus
- Online**: Mastering Data Structures and Algorithms by Abdul Bari, The Complete Web Development Bootcamp by Angela Yu