ALIGETI SHIVANI | 19ME31042

MECH.ENGG. MANUF.SCIENCE & ENGG. (M.Tech Dual 5Y)
MINOR in COMPUTER SCIENCE & ENGG. (B.Tech 4Y)

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2023	M.TECH Dual Degree 5Y	IIT Kharagpur	8.06 / 10
2019	TS Board of Intermediate Education	Narayana Junior College	98.6%
2017	TS Board of Secondary Education	Narayana E-Techno School	10 / 10

PROJECTS

Search Engine   **May '22 - June '22**
- Scrapped over **3300** practice coding problems from codechef platform using **Beautiful Soup** and **Selenium Web driver**
- Calculated the **ranks** of scrapped documents with the query input by implementing **TF-IDF algorithm** using the **tf-idf npm module**
- Built a web page to facilitate the user to search and get the **top 5** relevant results using **NodeJs**, **ExpressJs** and **Ejs** template engine

User Management System   **April '22**
- Built a **CRUD** Application using **MVC architecture** which consists of **4 pages** using **NodeJs**, **ExpressJs** and **Ejs** template engine
- Executed functionalities like viewing, adding and deleting the user controlled by respective page using **MongoDB**, **Axios**, **Ajax**

Sorting Visualizer   **March '22**
- Created a web application for visualising **5 sorting algorithms** (bubble sort, selection sort, insertion sort, merge sort, quicksort)
- Used **HTML**, **CSS**, **JavaScript** and also added functionalities like generating the new array, speed control and changing the array size

SuperHero   **November '21**
- Developed a web app(includes of 2 pages - Home Page, Favourites Page) using **HTML**, **CSS**, **Javascript** that **fetches** the Json data from **superhero API** on every input event produced on search bar and displays the possible search queries suggestions and their details
- Implemented features like favourites using the window **local storage** property, popup page to view the details of selected superhero

INTERNSHIPS

Front-end Developer | Kentropy Technologies Pvt.Ltd   **May 22- Present**
- Aim is to develop the frontend of an interactive stimulation mobile game application which is the pandemic (covid) management game of a city and integrate it with the backend using **HTML**, **CSS**, **Javascript**
- Built pages, fetched Json &maps from **APIs** created in the backend, converted the data to tables and charts using **Jquery Tables**, **ChartJs**

AWARDS AND ACHIEVEMENTS

- Ranked among the **top 2.4%** performers in Joint Entrance Examination (JEE) Mains, 2019 among **1.2 million** appeared students
- Ranked among the **top 6%** performers in Joint Entrance Examination (JEE) Advanced, 2019 among **0.2 million** appeared students
- Qualified for the **Scholarship for Higher Education (SHE)** offered to within **top 1%** of the school board at Class XII
- Secured **754th rank** at the National level in **Unified Cyber Olympiad (UCO)** in 2015.

SKILLS AND EXPERTISE

Programming Languages : C | C++ | Python (basic)   **Libraries:** C++ STL | BeautifulSoup | Selenium
Web Technologies : HTML | CSS | Javascript | Jquery | Node Js | Express Js | MongoDB | Mongoose | React(basic)
Softwares : Git | SolidWorks | LTSpice | Adobe Photoshop | Adobe Illustrator (basic) | MS Office

CERTIFICATIONS

Applied Algorithms and Data Structures | Algozenith Course   **Jan '21 - May '21**
- Learnt Data Structures and Algorithms and core competitive programming conceptsthrough weekly problem sets and live sessions.

COURSEWORK INFORMATION

Completed : Social Computing |Algozenith (Applied Algorithms and Data Structures) | Programming And Data Structures* | Probability And Statistics | Transform Calculus | Partial Differential Equations | Basic Electronics * | Fluid Mechanics | Dynamics | Thermodynamics
(* - includes lab component as well)

POSITIONS OF RESPONSIBILITY

Design Head | Senior Executive Member | Gopali Youth Welfare Society, IIT Kharagpur   **Aug '20 -May '22**
- Led a team of **17 freshmen** by conducting various meetings and designed **30+** posters, banners, for various events, initiatives.
- Participated in "Winter Collection"- Annual donation drive of GYWS and raised a fund of **INR 1.2 Lakhs** with a team of **60+ students**.

Senior Executive Member | School Review Committee | Gopali Youth Welfare Society, IIT Kharagpur   **Aug '20 - Apr '21**
- Administered the team consisting of **23 Junior Executive Members,** devised the student-centered activities to assist the overall development of students, monitored Online classes, conducted Impact assessment tests, and suggested better ways of teaching.

EXTRA CURRICULAR ACTIVITIES

- Active Student Member at Health and Fitness, **National Sports Organisation**, IIT Kharagpur
- Volunteered actively in **Illumination** 2019 at Mother Teresa Hall of Residence, IIT Kharagpur