AYUSH SAXENA | 19NA30006

OCEAN & NAVAL ARCH / OCEAN ENGG. NAVAL ARCH. (M.Tech Dual 5Y)

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2024	M.TECH Dual Degree 5Y	IIT Kharagpur	7.73 / 10
2018	AISSCE(CBSE)	VKS Public School, Moradabad	84.40%
2016	CISCE	Wilsonia College, Moradabad	68.5%

INTERNSHIPS

TransOrg Analytics | Software Developer   [June'22 – April'23]
•Developed and maintained the back-end of the websites TransOrg Analytics and PickleAI using tech stack **Django, Python, Ajax, JavaScript**.
•Keeping the back-ends of TransOrg Analytics and Pickl AI on Amazon Web Services updated and deployed the real-time modifications .
•Added an administrator page to **monitor user details, active/logged in sessions**, **IP addresses, unique and total viewers on each web page**.
•Increased the safety of each form on the website by implementing the OTP verification on each form in order to prevent fraudulent entry.

PROJECTS

Ecommerce Website | Self Project   [May'22]
 GitHub Link: https://github.com/ayushsaxenagithub/ecommerce_website
•Developed a web-based e-commerce application from scratch using the tech **stack Python, Django Rest API, ReactJS**, HTML, CSS, JavaScript.
•Provided a simulated shopping cart system with PayPal and credit/debit card payments, product ratings, and a review system for users
•Added an administration area for managing customers, products, and orders of users, as well as integrating the product search features

Freelancers Marketplace | Self Project   [December'21]
 GitHub Link: https://github.com/ayushsaxenagithub/Freelancer_MarketPlace
•Developed a web-based Freelancer Marketplace application from scratch using the tech stack Python, Django, HTML, CSS, and Bootstrap.
•Implemented features for the authenticated users to showcase their profiles, mention their skills, and show their projects with many details.
•Built the search engine from scratch to search freelancers from their names and projects, and projects from their names, owners, and tags

Blogging App | Self Project   [December'22]
 GitHub Link: https://github.com/ayushsaxenagithub/BLOG_MERN
•Developed a web-based blogging application from scratch using the tech stack **ReactJS, ExpressJS, NodeJs, JavaScript, MongoDB**, Bootstrap.
•Implemented features for authenticated user's to post their blogs as well as can up vote or down vote and comments on others user blogs.
•Added the ability for users to update their profiles and blogs, as well as can control the others users comment on own blog by deleting them.

COMPETITION/CONFERENCE

Open Soft | Inter Hall Competition   [2022]
•Created an e-commerce website application from scratch using the tech stack **Flask, Python, HTML, CSS, JavaScript, SQLite**, and **Bootstrap**
•Worked on the user interface and architecture on the front-end of the e-commerce application and integrated it with the back-end side
•Integrated database and store the data in real-time into variables to display on the e-commerce website using JavaScript, flask and Ajax.

COURSEWORK INFORMATION

Programming and Data Structures | Algorithmic Toolbox (Coursera) |Programming and Data Structures Laboratory | Safety Engineering and Management | Economics |Engineering Drawing &Computer Graphics
Ocean Engineering and Naval Architecture: Transform Calculus| Hydrostatic &Stability Thermodynamics | Structural Design & Computation Lab | CAD-CAM Marine Design &Production
Mooc: React Course Freecodecamp | flask Course Freecodecamp |Data Analysis with Python Freecodecamp

SKILLS AND EXPERTISE

Languages: Python| C++ | JavaScript | C | HTML | CSS   **Framework:** Django | NodeJs | Flask | Express
Libraries: NumPy | Pandas | Matplotlib | SciPy |Seaborn| REACTJS   **Utilities:** AUTOCAD | MS Excel | MS PowerPoint | Solidworks

POSITIONS OF RESPONSIBILITY

Executive Member| SARTH | IIT Kharagpur   [July'19 - Present]
•A social organization run by students to educate the underprivileged in nearby areas of the Indian Institute of Technology Kharagpur
•Led and managed extracurricular activity sessions and sports activity for children of rural areas to discover their passions and skills
•Conducted and managed clothing collection drives for Midnapore district's underprivileged residents and a tree plantation drive every year

Events Head | NAROES | IIT Kharagpur   [July'21 - July 22]
•Successfully led NAROES a departmental society's team, and effectively organised all events as Events Head at IIT Kharagpur
•Designed and regulated events for the 14th edition of national-level departmental fest Samudramanthan with over 250 participants
•Managed and planned events such as Convocation, Induction program, and Panel talks from Alumni for departmental students

Sub Head| NAROES | IIT Kharagpur   [July'20 - July'21]
•Organized and managed the 13th edition of Samudramanthan, a national-level departmental fest of NAROES with over 200 participants
•Contributed to initiatives for the benefit of the IIT Kharagpur's Department of Ocean Engineering and Naval Architecture
•Raised sponsorship from companies, deploy problem statements in events taken from sponsorship company and managed all its events

EXTRA CURRICULAR ACTIVITIES

•Member of the basketball team and Cricket team at Meghnad Saha Hall of Residence for the 2022 Inter-Hall Competition IIT Kharagpur
•Associate Member at NAROES a departmental society of the Department of Ocean Engineering and Naval Architecture, IIT Kharagpur