

Passionate and skilled web developer currently pursuing Electrical Engineering at NIT Durgapur, with a solid command of React, Node.js, Express, SQL, and modern web technologies. Known for building responsive, high-performance applications that prioritize user experience, code quality, and scalability, and for consistently delivering results in collaborative, deadline-driven environments.

ACADEMIC QUALIFICATIONS

Year	Degree/Certificate	Institute	CPI/%
2022-Present	ELECTRICAL ENGINEERING	NATIONAL INSTITUTE OF TECHNOLOGY, DURGAPUR	7.23/10
2021	WBCHSE(XII)	PURULIA M . M HIGH SCHOOL	91.2%
2019	WBBSE(X)	PURULIA M . M HIGH SCHOOL	93.1%

KEY PROJECTS

PORTFOLIO WEBSITE (Personal Project)

- A sleek, interactive portfolio website developed from scratch using HTML, CSS, and JavaScript, developed to showcase technical skills, featured projects, and achievements, while also serving as a platform for networking and attracting potential employers.
- Adopted a client-centric approach to build a fully responsive and interactive portfolio website using JavaScript functions, API integration, robust form validation, CSS grid/flex layouts, and smooth animations to enhance overall user experience.
- Deployed the website using Vercel for fast, reliable, and scalable hosting: portfolio-five-tau-46.vercel.app

FUNCTIONAL SPOTIFY WEB CLONE (Personal Project)

- Developed a fully functional and responsive website to reinforce core web development concepts, using HTML for structure, CSS for adaptive styling, and JavaScript for interactive and dynamic user functionality, ensuring optimal performance across devices.
- Implemented key features including modular JS functions, API fetching, user authentication, play/pause audio controls, and dynamic navigation for an engaging, intuitive, and seamless user experience, enhancing overall performance and usability.
- Project GitHub link for accessing the full source code and development details- <https://github.com/saswata221/Portfolio>

WORK EXPERIENCE

WEBSITE DESIGN INTERN Certificate Link : [🔗](#) (Dec’24-Jan’25)

- Designed and prototyped a new, visually appealing website for NIT Durgapur using Figma during one-month winter internship, significantly enhancing the UI/UX to improve overall user experience for 5,000+ students, faculty members, and staff.
- Utilized a diverse tech stack, including JavaScript, HTML, CSS, Tailwind, React, SQL, and Figma, to develop and enhance the website’s user experience, optimizing performance, responsiveness, and load times by 30%, ensuring seamless interaction.

CONTENT DEVELOPER INTERN Certificate Link : [🔗](#) @ [MathonGo Technologies Pvt.Ltd](#) (Jan’23-March’23)

- Documented and systematically organized content data to improve consistency, accessibility, and quality. Mapped out and analyzed 30+ JEE Main and WBJEE mock question papers, covering key topics to support comprehensive exam preparation.
- Audited more than 500 questions, providing detailed and comprehensive solutions for each, and tagged over 1,500 JEE Main questions across Physics, Chemistry, and Mathematics for improved organization, accessibility, and easy reference.

TECHNICAL SKILLS

Programming Languages : C, C++, JavaScript | **Database :** MongoDB, SQL | **Version Control :** Git, GitHub
Web Technologies : HTML, CSS, Tailwind, React, Node.js, Express | **Development Tools:** Figma, VS Code, Postman

RELEVANT COURSES

- [Beginning C++ Programming - From Beginner to Beyond](#) | by Dr. Frank Mitropoulos
- [Mastering Data Structures & Algorithms using C and C++](#) | by Abdul Bari
- [The Complete 2024 Web Development Bootcamp](#) | by Dr. Angela Yu

EXTRA-CURRICULAR ACTIVITIES

Inter NIT Sports Meet 2024 : NIT Rourkela (17 - 21, Oct’24)

- Selected from over 60+ students to represent NIT Durgapur in football at the Inter NIT Sports Meet hosted by NIT Rourkela .
- Demonstrated strong teamwork, resilience, leadership, and competitive spirit in a prestigious national-level sports event with 25+ NITs, fostering collaboration, discipline, and strategic play under high-pressure and time-sensitive match situations.
- Successfully led the Hall 14 football team of 15 dedicated and passionate members in the Inter-Hall Football Competition and secured 1st position in 2023 through effective coordination, strategic planning, and strong collaborative team effort.
- Passionate about photography with a keen eye for detail, composition, and creative expression through visual storytelling.