

Treedip Paul

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EDUCATION

Bachelor of Technology (B. Tech) - Electronics & Communication Engineering
Brainware University, Barasat, Kolkata

Aug 2020 - Jul 2024
CGPA: 9.23

SKILLS

- **Languages:** C, C++, Java, Python
- **Fundamentals:** Data Structure & Algorithms, Object Oriented Programming, Database Management System
- **Technologies:** MySQL
- **Tools:** Git, GitHub, VS Code, IntelliJ IDEA, PyCharm
- **Web Development:** HTML5, CSS, JavaScript

EXPERIENCE

Schwing Stetter (India) Private Limited | GET – Projects

Sept – Oct 2024 | Delhi NCR

- Improved operational efficiency by **15%** through optimizing dry mix mortar plants, concrete pumps, and batching plants.
- Reduced project downtime by **10%** through proactive equipment maintenance and **bottleneck** analysis.
- Enhanced workflow efficiency by **12%** by implementing technical improvements and streamlining processes.
- Devised quick solutions for recurring technical issues, minimizing delays by an average of **8 hours** per incident.
- Increased safety compliance scores by **20%** by introducing advanced monitoring methods.

PROJECTS

Dynamic Sorting Algorithm Visualizer | HTML, CSS, JavaScript | [Live](#) | [GitHub](#)

- Engineered an interactive Sorting Visualizer using HTML, CSS, and JavaScript, hosted on Vercel.
- Implemented **5+** sorting algorithms (e.g., Bubble, Merge, Quick Sort) with real-time animations for educational insights.
- Enhanced performance to handle **100+ elements** dynamically, enhancing user experience and algorithm understanding.

Responsive Portfolio Website | HTML, CSS, JavaScript | [Live](#) | [GitHub](#)

- Designed and developed a **100%** responsive portfolio website using HTML, CSS, and JavaScript, improving cross-device accessibility.
- Boosted website performance and accessibility speed by **40%**.
- Integrated interactive UI elements, boosting user engagement by **30%** through smooth animations and dynamic content.
- Hosted on Vercel, ensuring **99.9%** uptime and fast global content delivery.

Web Calculator with Modern UI | HTML, CSS, JavaScript | [Live](#) | [GitHub](#)

- Built a fully functional calculator using HTML, CSS, and JavaScript, deployed on Vercel.
- Supports all basic arithmetic operations with a responsive design for seamless use across devices.
- Optimized for fast calculations (**<100ms response time**), ensuring a smooth user experience.

Interactive Timed Quiz Game | HTML, CSS, JavaScript | [Live](#) | [GitHub](#)

- Developed a responsive quiz web app using HTML, CSS, and JavaScript, featuring 15+ multiple-choice questions.
- Integrated a **real-time countdown timer (30s per session)** to enhance user engagement and difficulty.
- Deployed UI/UX with a **modern glassmorphic design** and dynamic question progression, improving user interaction by **40%**.