

TRIDIBESH SEN

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EXPERIENCE

Web Developer

Ignitia

May 2026 – Present

Kolkata, India

- Built and maintained responsive web apps using React.js, HTML5, CSS3, and JavaScript.
- Collaborated with design and backend teams to ship user-centric features across production modules.

AI/ML Intern

Innovation & Entrepreneurship Development Cell (CSE IoT, CS & BT), UEM Kolkata

May 2026 – Present

Kolkata, India

- Prototyped ML models and GenAI pipelines using Python, scikit-learn, and OpenAI APIs.
- Contributed to internal AI research and delivered knowledge-sharing sessions on generative AI.

Core Member

Microsoft Student Society, UEMK

June 2026 – Present

Kolkata, India

- Organised technical workshops on Azure, GitHub, and developer tools; mentored juniors in cloud and full-stack fundamentals.

Solution Challenge Participant

Google Developer Experts — Solution Challenge 2026

Mar 2026 – Apr 2026

Kolkata, India

- Built and pitched a community-impact solution using Firebase, Google Cloud, and React in a 2-month sprint.

SKILLS

Programming: JavaScript, TypeScript, Python, C, Bash/Shell

Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS, Responsive Design

Backend & DB: Node.js, Express.js, REST APIs, Firebase, MySQL, MongoDB

AI / Data: OpenAI API, Generative AI, Data Analysis, Pandas, scikit-learn

Tools & DevOps: Git, GitHub, VS Code, Figma, Linux

EDUCATION

B.Tech — Computer Science and Engineering

University of Engineering & Management (UEM), Kolkata

July 2025 – July 2029

Kolkata, India

- Focused on AI, Data Analytics, and Full-Stack Web Development.

Higher Secondary (Class XII — Science)

GSMS Taki House

Apr 2023 – Apr 2025

West Bengal, India

PROJECTS

AI-Powered Data Analysis Platform: Full-stack web app integrating the OpenAI Assistant API for automated data analysis and insights from uploaded datasets. Stack: React.js, Node.js, OpenAI API, Firebase.

MERN Stack Portfolio & Blog: Personal portfolio with a dynamic blog module built on MongoDB, Express.js, React, and Node.js — featuring dark-mode UI, project showcases, and contact forms.

Cybersecurity Awareness Web App: Interactive educational app covering phishing, encryption, and network security concepts; developed as part of Cyber Security Fundamentals certification coursework.

MySQL Data Engineering Pipeline: Designed normalised schemas and ETL pipelines in MySQL for structured data ingestion, transformation, and reporting.

CERTIFICATIONS

- GenAI for Data Analysis: OpenAI Assistant API
- AI Tools Workshop
- Problem Solving Through Programming in C
- MySQL for Data Engineering
- Cyber Security Fundamentals
- Generative AI for Web Developers — Application of Gen AI

LANGUAGES

English (Full Professional) • Bangla (Professional Working) • Hindi (Professional Working)