

ISHITA DEY

MERN STACK DEVELOPER

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EXPERIENCE

AI WALLAH - Remote (under Quirky Connections Pvt. Ltd.)

July, 2025 - August, 2025

Generative AI Developer Intern

- Built and deployed multiple LLM-powered applications using transformer-based architectures, implemented prompt engineering techniques, fine-tuned open-source models for domain-specific tasks, and optimized inference pipelines for production scenarios.
- Contributed to the development of generative AI tools for text generation, summarization, and chatbot systems.

TATA DATA VISUALIZATION: EMPOWERING BUSINESS WITH EFFECTIVE INSIGHTS

June, 2025

Virtual Intern

Formulated 8 targeted questions, 4 each for the CEO and CMO, generating insights for business performance and expansion planning. Analyzed large datasets of up to half a million rows using Power Query in Power BI.

SHADOWFOX

September, 2025

Web Development Virtual Intern

Completed a one-month virtual internship focused on front-end and back-end web development. Built and optimized responsive web pages, enhancing performance and user experience.

Edunet Foundation – AICTE Internship

September, 2025 - October, 2025

AI & ML Virtual Intern

Worked on a project-based internship focused on skills development in Computer Science and Engineering. Gained hands-on experience through mentor-led sessions, technical workshops, and real-world problem-solving.

EDUCATION

Narula Institute of Technology, Kolkata | 2023-2027

Bachelor of Technology (B.TECH) in Computer Science & Engineering with 9.19 CGPA

St. Xavier's Institution, Panihati | 2023

Indian School Certificate (ISC) – Class XII in Science with 92%

St. Xavier's Institution, Panihati | 2021

Indian Certificate of Secondary Education (ICSE) – Class X with 96%

PROJECTS [\[LINK\]](#)

ZENFIT – AI-Powered Wellness Platform [\[Link\]](#)

Team Leader | Internal Hackathon for Smart India Hackathon 2025 Winner

AI-Powered Cognitive Health Platform – Developed an intelligent system for early dementia detection using speech and cognitive analysis.

Built with React.js, Node.js, Express.js, Flask/FastAPI, MongoDB, MySQL, TensorFlow, PyTorch, Scikit-learn, and Tailwind CSS. Integrated multilingual UI, NLP chatbot, gamified cognitive tasks, video consultations, and caregiver hiring for accessible AI-driven healthcare.

Luminae MERN E-Commerce App [\[Link\]](#)

A modern full-stack e-commerce platform built using the MERN stack (MongoDB, Express.js, React, Node.js) featuring PayPal payment integration for secure checkout. The platform supports product listings, cart management, and order tracking with an elegant and responsive UI powered by Tailwind CSS and ShadCN UI. Users can register, log in, and make purchases, while admins manage orders, upload images, and monitor deliveries through an intuitive dashboard.

Tech Used: React.js (Vite), Node.js, Express.js, MongoDB, Redux Toolkit, Tailwind CSS, ShadCN UI, JWT, Axios, Multer, Cloudinary, PayPal API

Invisibility Cloak – Python, OpenCV, Flask [\[Link\]](#)

Developed a real-time computer vision app that makes objects appear invisible using color detection. Implemented background masking and frame differencing with OpenCV for seamless effect. Built a Flask web interface for live video streaming and user interaction.

TripWise-AI [\[Link\]](#)

AI Travel Itinerary Generator for Students – Python, Streamlit, Google Gemini API. Developed an AI-powered web app that creates personalized, budget-friendly travel plans for students. Integrated dynamic question logic and Gemini AI to refine user preferences and generate daily itineraries. Provided activity, dining, and accommodation suggestions with adaptive, student-focused recommendations.

Portfolio Website [\[Link\]](#)

Tech Used: React.js, Vite, Tailwind CSS, Three.js, GSAP. Created a modern, responsive portfolio showcasing projects, skills, and achievements with smooth 3D animations. Implemented reusable React components and motion effects using GSAP and React Three Fiber for interactivity.

SKILLS

- Programming Languages: C, C++, Java, Python, JavaScript
- Web Technologies: HTML, CSS, Node.js, React.js
- Database: SQL, MongoDB
- Others: Git, ML & NLP

CERTIFICATIONS

- Problem Solving (Basic) - HackerRank, April 2025
- Natural Language Processing for Developers - Infosys Springboard, April 2025
- Python 101 for Data Science - Cognitive Class, August 2025
- Training of 30 hours on Python with Django - Ardent Computech Pvt Ltd, February 2025
- Cyber Job Simulation - Deloitte Australia, August 2025

KEY ACHIEVEMENTS

- Hack-O-NIT 2025, Kritanj Tech Fest – Top 30 Finalists (Out of 180+ Teams). Led Team ThriveCoders in a 24-hour overnight hackathon at Narula Institute of Technology.
- Ranked among the top 5.4% in JEE Main 2023.
- Winner of Internal Hackathon for SIH 2025.