DEEPTANSHU LAL

◎ Seawoods Estate, Navi Mumbai - 400706, India   ⊕ Portfolio Website   ☎ +91 ▓▓▓▓▓▓   ✉ laldeeptanshu96@gmail.com

in linkedin.com/in/deeptanshu-lal   ○ github.com/Deeptanshuu

EDUCATION

Ramrao Adik Institute of Technology, DY Patil University
September 2022 - Present

B.Tech in Computer Engineering with **AI , Cloud Computing (AWS) & Data Management and Visualization (Power BI)**
CGPA: 8.21/10
SGPA: 9.38/10 (Till 4th Semester)

D.A.V Public School, Nerul
2015-2022

Secondary School & Higher Secondary (CBSE) with Computer Science
Percentage: 85% 10th | 70% 12th

EXPERIENCE

Software Developer Intern
January 2025 - April 2025

Rudhirsetu Seva Sanstha
Panvel, Navi Mumbai

- Developed the **official Rudhirsetu NGO** website, using technologies like **React.js**, **Tailwind CSS**.
- Implemented features for **NGO Camps**, **Gallery**, **Donation**, **Socials** using **Sanity CMS**
- **Collaborated with team members** to ensure project success and timely delivery.

Full Stack Web Development Trainee
December 2023 - January 2024

CSI MERN Winter Internship
Nerul, Navi Mumbai

- Completed the internship with a **A+ grade.**
- Engineered a secure e-commerce platform using **MERN Stack** and real-time transactions with **Stripe**.

PROJECTS

Multilingual Toxicity Classification using Transformer Models   **February 2025 - April 2025** | Live Demo

- A multilingual toxicity detection system using **XLM-RoBERTa** and **PyTorch**, achieving accuracy of **0.93**.
- Language-aware attention mechanisms for 7 languages, processing **360k+** comments across 6 toxicity categories.
- Built efficient data processing pipeline with **TensorFlow ONNX** and **Streamlit**, deployed on college GPU server.

Hacktoberfest Leaderboard Google Developer Group   **October 2024** | Live Demo

- Enhanced user engagement through real-time leaderboard using **React.js**, **Websockets** and **Github Webhooks**.
- Achieved 99.99% uptime for 50+ concurrent users using **Node.js**, **Express**, and **Socket.io**.
- Deployed on **AWS EC2** and **Vercel**.

Tsuki Market: E-Commerce Platform   **January 2024 - March 2024** | Live Demo

- Engineered a full-stack e-commerce platform with **React.js**, **Express**, and **MongoDB**.
- Achieved 99.9% uptime through optimized deployment on **Vercel** with **MongoDB Atlas**.

What's For Dinner: Recipe Recommendation System   **July 2024 - August 2024** | Live Demo

- Built an ML-powered recommendation engine using **TF-IDF** vectorization and **Cosine Similarity**.
- Applied for **Copyright** and **Patent** for the system.

TECHNICAL SKILLS & CERTIFICATIONS

Languages: Python, **JavaScript/TypeScript**, **SQL**, **C**

Frontend: React.js, **Next.js**, **Tailwind CSS**, **Chakra UI**

Backend: Node.js, **Express**, **FastAPI**, **Django**

Database & Cloud: MongoDB, **Oracle SQL**, **AWS**, **Vercel**

Tools & Practices: Git, **Docker**, **CI/CD**, **Agile Methodology & Kanban**

AI/ML: TensorFlow, **BERT**, **NLP**, **PyTorch**, **Ollama**

Certifications:

- **AWS Academy:** Cloud Foundations, Machine Learning Foundations, Getting Started with Storage
- **NVIDIA Academy:** Introduction to Networking, AI for All: From Basics to GenAI Practice
- **HackerRank:** Software Engineer, Skills Certificate
- **edX:** Analyzing and Visualizing Data with Power BI
- **IIT Bombay:** e-Yantra Course on Innovation and Entrepreneurship

INTERESTS & ACTIVITIES

Interests

- Space Technology & Astronomy
- AI/ML Research
- System Architecture

Activities

- Hackathon Participant and Winner
- Google Student Developer Group Member