

DEEPTANSHU LAL



📍 Seawoods Estate, Navi Mumbai - 400706, India 🌐 Portfolio Website ☎️ +91 7021004986 ✉️ laldeeptanshu96@gmail.com
🌐 linkedin.com/in/Deeptanshu-lal 🐙 github.com/Deeptanshuu

PROFESSIONAL SUMMARY

Innovative Full Stack Developer with expertise in MERN stack and a strong foundation in AI/ML. Passionate about creating efficient, user-centric solutions and staying current with emerging technologies.

EDUCATION

Ramrao Adik Institute of Technology, DY Patil University
B.Tech Computer Engineering

September 2022 - Present
CGPA: 8.00/10

D.A.V Public School, Nerul
Secondary School & Higher Secondary (CBSE)

2015-2022

EXPERIENCE

Software Development Engineer
Google Developer Group

August 2024 - Present

- Enhanced user engagement through the creation of a real-time leaderboard system using **React.js** and **Chakra UI**.
- Optimized backend performance achieving 99.99% uptime for 50+ concurrent users using **Node.js**, **Express**, and **Socket.io**.
- Reduced server costs by 50% through efficient **AWS EC2** deployment and **Vercel** integration.

Full Stack Web Development Trainee
CSI MERN Winter Internship

December 2023 - January 2024

- Completed the internship with a **A+** grade.
- Engineered a secure e-commerce platform handling 100+ daily transactions with **Stripe** integration.
- Accelerated page load times by 45% using **MERN stack** optimization and efficient database queries.

PROJECTS

AI Resume Screener

November 2024

- Engineered an AI system achieving 85% accuracy in resume screening using **BERT** and **spaCy**.
- Optimized processing speed by 200% through efficient **Python** algorithms and **MongoDB** indexing.
- Improved user satisfaction by 40% with responsive design using **React.js** and **Tailwind CSS**.

VRV Security: Role Based Access Control

November 2024 | Live Demo

- Architected a **RBAC** system reducing unauthorized access attempts.
- Enhanced security with **JWT** authentication.
- Streamlined state management using **Redux**, resulting in 30% faster UI updates.

Tsuki Market: E-Commerce Platform

March 2024 | Live Demo

- Engineered a full-stack e-commerce platform with **React.js**, **Express**, and **MongoDB**, handling 40+ products.
- Achieved 99.9% uptime through optimized deployment on **Vercel** with **MongoDB Atlas**.

What's For Dinner - Recipe Recommendation System

July 2024

- Built an ML-powered recommendation engine using **TF-IDF** vectorization and **Cosine Similarity**, achieving 80% user satisfaction.
- Enhanced recommendation accuracy by 70% through sophisticated filtering system incorporating dietary preferences and cuisines.

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 Workshop - CSI RAIT

INTERESTS & ACTIVITIES

Interests

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

Activities

- Hackathon Participant
- Community Mentor