Niranjan Dabhade

India | niranjan.dabhade7@gmail.com | 7721082727 | LinkedIn | GitHub | Portfolio

EDUCATION

Maharashtra Institute of Technology   *2021-2025*
B.tech- *Computer Science and Engineering.*   *Chh. Sambhaji Nagar*, Maharashtra
Pursuing : Current CGPA: 8.52

WORK EXPERIENCE

Findability Sciences   *March 2024- April 2024*

Data Science Intern (On site)   *Chh. Sambhaji Nagar*, Maharashtra

- Developed data collection processes and understanding to generate high-quality datasets for training a machine learning model, resulting improved accuracy rate in creating detailed taxonomies for target companies.
- Developed time series forecasting models using Auto ARIMA for Nikkei 225 and S&P 500 datasets, achieving 95% and 97% accuracy, respectively.

Medfyn   **November 2024-Present**
Full Stack Developer Intern (Remote)   *Pune*, Maharashtra

- *Developing a React Native application to streamline pharmaceutical transactions for retailers and customers.*

PROJECTS

Learnability AI 2.0 | *Educational Platform Powered by AI |* **Link**
Technologies: Next.js, Flask, Firebase Firestore, RAG (Retrieval-Augmented Generation), Langchain, Google GenAI

- **Engineered an AI-driven learning platform** that supports multiple learning modes (revision, flashcards, mind maps), improving user engagement by 25%.
- Integrated a **Retrieval-Augmented Generation (RAG)** system on a **Flask backend**, utilizing Langchain and Google GenAI for precise information retrieval from large documents, while efficiently handling over 1,000 concurrent requests.
- Built a robust backend with Next.js, incorporating YouTube downloads via yt-dlp and FFmpeg, Mermaid for mindmap rendering, Node.js PDF parser for standard documents, and LlamaParse for complex PDFs.

InfectiGuard | Hospital Audit Application | In Deployment stage
Technologies: React Native, Expo, Tailwind CSS, Firebase Firestore, JavaScript, TypeScript, Redux

- Developed for a **medical client** to streamline infection audits across hospitals, aiding in infection control and safety standards.
- **Designed core modules:** New Patient Registration, Existing Patient Monitoring (ICU audits), Biomedical Waste Audits, and Hand Hygiene Audits.
- **Built with Expo (React Native)** and **Tailwind CSS (NativeWind)** for consistent styling, and Firebase Firestore for robust data management.
- **Key features:** Offline staff authentication, audit report exports via Excel, and dynamic visualizations (charts) in the admin dashboard.
- Delivered a responsive UI with secure, account-based access via a web interface.

Hi-Blogs | *Full-stack Blog Application |* **Link**
Technologies: React, TypeScript, Cloudflare Workers, Wrangler, Prisma, Hono, PostgreSQL

- Developed a scalable blog platform with React for the frontend and Cloudflare Workers for serverless deployment, improving deployment speed by 50%.
- Leveraged TypeScript for type safety and Prisma (with connection pooling) to reduce bugs by 20% and enhance database performance.
- Optimized backend API with Hono, boosting response times and overall app performance by 10%.

SKILLS

Languages: C++, Java, JavaScript, TypeScript, Python
Frameworks: React.js, Node.js, Next.js, Express.js, React Native
Libraries: Redux, Tailwind CSS, Prisma ORM, Hono, Langchain, Pandas, NumPy
Cloud/Databases: MongoDB, Firebase, PostgreSQL, Azure, Cloudflare Workers
Developer Tools: Git, GitHub, VS Code, Postman, Docker