

# Niranjan Dabhade

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## EDUCATION

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**Maharashtra Institute of Technology**  
**B.tech- Computer Science and Engineering.**

**Aurangabad, Maharashtra**  
*Pursuing : Current CGPA: 8.52*

## WORK EXPERIENCE

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**Findability Sciences**

**Aurangabad, Maharashtra**

*Data Science Intern (On site)*

- 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.

## PROJECT EXPERIENCE

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**Learnability AI 2.0 | Educational Platform Powered by AI**

**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 RAG system to enhance information retrieval from large datasets, utilizing Langchain and Google GenAI for improved response accuracy.
- Implemented backend services with Flask to optimise performance, handling 1,000+ concurrent requests without latency issues.

**Niropay | Digital Wallet Application**

**Technologies:** Express, MongoDB, Mongoose, Zod, JWT, React, Tailwind CSS

- Built a secure peer-to-peer transaction system similar to PayTM, leveraging Express for API management and MongoDB for efficient data handling.
- Implemented JWT-based authentication, enhancing transaction security and reducing unauthorised access by 30%.
- Led front-end development with React and Tailwind CSS, creating a responsive and user-friendly interface that boosted user retention by 15%.

**Hi-Blogs | Full-stack Blog Application**

**Technologies:** React, TypeScript, Cloudflare Workers, Wrangler, Prisma, Hono

- Developed a full-stack blog platform, leveraging Cloudflare Workers for a scalable, serverless architecture, improving deployment speed by 50%.
- Utilized TypeScript for strict type management across the application, reducing production bugs by 20%.
- Optimised backend API using Hono, resulting in faster response times and an overall 10% improvement in application performance.

## SKILLS

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**Languages:** C++, Java, JavaScript, TypeScript, Python

**Frameworks:** React.js, Node.js, Next.js, Express.js, React Native, Cloudflare Workers

**Libraries:** Redux, Tailwind CSS, Prisma ORM, Hono, Langchain, Pandas, NumPy

**Cloud/Databases:** MongoDB, MySQL, PostgreSQL, AWS

**Developer Tools:** Git, GitHub, VS Code, Postman, Firebase, Docker

## INTERESTS/EXTRACURRICULARS

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Travelling, Philosophy

Part of DBT Kendra where led a local team and performed street plays for Krishna Janmashtami, delivered speeches for Gita Jayanti, and spoke at a taluka-level event.