

Nakul Makode

Software Developer | Machine Learning | UI/UX Design

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Work Experience

Machine Learning Intern @Infosys Springboard Oct 2024 - Dec 2024

- Engineered a robust **real-time face recognition system** to address accuracy **challenges**, attaining **90%** precision using **CNN**.
- enhanced user experience by integrating **MTCNN** for **face detection**, achieving **5** simultaneous recognitions with high accuracy.
- Streamlined a **scalable SQLite3** database, addressing the challenge of managing **100** user records while enhancing **retrieval** efficiency by **60%**.
- Addressed **low user engagement** by developing a **Streamlit UI**, achieving **100** new registrations.
- boosted face recognition accuracy by **70%** in low-light conditions through **ML** model development.

Projects

ENHANCING NAVIGATION FOR RAILWAY STATION FACILITIES AND LOCATION Oct 2024

- Overcame the challenge of inefficient station navigation by **developing** a web-based system that **cut** navigation time by **30%** and achieved **95%** route accuracy.
- Designed an interactive map for **100** stations with **Leaflet.js**, addressing navigation challenges and enhancing real-time usability.
- Routed navigation challenges by **integrating** Google Geocoding and AR.js, providing **real-time** directions via mobile camera.
- Developed a **search tool** addressing user navigation challenges, achieving routing under **3 seconds** and boosting efficiency by **25%**.

Skills

Programming Languages

C++ | C | Java | Python | HTML | CSS | JavaScript

Tools and Frameworks

ReactJs | ExpressJs | NodeJs | MySQL | MongoDB | TensorFlow | Keras | PyTorch | Git | UI/UX

Achievements

- Enhanced coding skills by tackling **300+** LeetCode problems, achieving a rating of **1500+** .
- Secured a global rank of **118** on CodeChef by overcoming challenges and maintaining a **300-day** coding streak to boost skills.
- Improved **collaboration** and **project visibility** by making more than **250** contributions on **GitHub**.
- Secured **finalist** position in **GenAI hackathon** organized by **Level Supermind**, overcoming intense competition with innovative AI solutions.

Core Competencies

- Database Management System
- Operating Systems
- Computer Networks
- Machine Learning Fundamentals

Education

B.Tech in Computer Science and Engineering 2022 - 2026

Ramdeobaba University 9.3/10

Honors in Data Science AI and ML 9/10