

Nilesh Deshpande

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Education

B. Tech, Computer Science and Engineering

Nov 2021 – Jul 2025

N. K. Orchid College of Engineering and Technology, Solapur

8.02 CGPA

HSC

Jun 2021

A. D. Joshi Junior College, Solapur

92.3 %

SSC

Jun 2019

Indian Model School, Solapur

83.66 %

Professional Experience

Freelance Developer

Jul 2024

Maulana Azad Polytechnic, Solapur 📍

- Architected and developed backend infrastructure for student admissions and account management, resulting in a 30% increase in processing efficiency and 99.9% uptime.
- Oversaw the deployment and hosting of the backend application, managing system performance and troubleshooting operational issues with a 30-minute average resolution time.
- Configured and maintained MongoDB with a replica set, enhancing data redundancy and high availability, which led to a 50% reduction in data loss incidents and improved data access speed by 40%.
- Created a custom logging mechanism that enhanced troubleshooting capabilities and reduced debugging time by 20%.
- Instituted a scheduled data backup mechanism, ensuring daily backups with a 99.9% success rate and enabling quick recovery with minimal data loss.

Skills

Technical

C, Java, Javascript, Dart, C++, Typescript

Frontend Development

React.js, React Native, Flutter

Backend Development

Node.js, Express.js, REST APIs, Websockets

Database

MongoDB, SQL, SQLite, PL/SQL, Redis

DevOps/ Deployment

Git, Github, Docker, Nginx, AWS

Architecture and Design

Microservices, Kafka, rabbitMQ

Projects

EcoHarvest (Web and Mobile App) [↗](#)

Tech Stack: React, React Native, Node.js, Express.js, MongoDB

- Engineered a scalable MERN backend, improving data processing efficiency by 40% and enabling seamless integration with cloudbased ML models.
- Introduced secure user authentication with 99.9% accuracy, enhancing data protection and security compliance.
- Constructed RESTful APIs for agriculture functionalities, improving feature access speed by 35% - 40%.
- Designed a user-friendly mobile app with React Native, ensuring real-time data exchange and functionality.

Study Notion (MERN App) [↗](#)

Tech Stack: React.js, Tailwind CSS, Express.js, MongoDB

- Designed and implemented user interfaces using React.js and Tailwind CSS, creating responsive and intuitive designs that enhanced user experience and interaction.
- Integrated Cloudinary API, improving media upload and retrieval times by 50%, and leveraged Razorpay for secure online payments. Deployed an email system for OTPs and password resets.

Electricity Billing System (Java Application) [↗](#)

Tech Stack: Java, MySQL, Java Swing, JDBC

- Created secure access control features, engineered a billing system for accurate bill generation, and developed a payment management module using Java Swing and JDBC.

Awards

- Finalist at an offline 36-hour PAN India Hackathon arranged by HackHive, DAVV, Indore. [↗](#)
- Won state Level Technical Event ORCHATHON'23. [↗](#)

Certificates

- Completed React Native Certification offered by Meta and Coursera.mp by CodeHelp. [↗](#)
- Attended a MERN Bootcamp by CodeHelp. [↗](#)
- Certified Postman API Fundamentals Student Expert. [↗](#)
- Attended Life Skills Program by Barclays. [↗](#)