

Vighnesh Parab — Full Stack Developer

Virar, India

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vighneshparab

Professional Summary

Experienced Full Stack Developer specializing in MERN stack applications with AI integration. Proven track record of developing production-grade projects using React.js, Node.js, and MongoDB. Strong expertise in building efficient systems with clean architecture, optimal performance, and scalable solutions for modern web applications.

Core Technology Stack

Full Stack: React.js, Node.js, MongoDB, Express.js, Tailwind CSS, Firebase, REST APIs

AI/ML: TensorFlow, Python, Scikit-learn, Machine Learning, Data Analysis

DevOps: Docker, Vercel, Netlify, CI/CD Pipelines, Git

Technical Skills

Programming Languages: JavaScript (ES6+), Python, HTML5, CSS3, SQL

Frontend Technologies: React.js, Tailwind CSS, Chart.js, Responsive Web Design

Backend Technologies: Node.js, Express.js, REST APIs, GraphQL

Databases: MongoDB, MySQL, Firebase, Database Design

AI/ML Technologies: TensorFlow, Scikit-learn, Machine Learning, Data Analysis

DevOps & Deployment: Docker, Vercel, Netlify, CI/CD Pipelines

Authentication: JWT, OAuth 2.0, Clerk, Role-Based Access Control (RBAC)

Data Structures: Arrays, Linked Lists, Stacks, Queues, Trees, Graphs, Algorithm Design

Additional Tools: Git, Mapbox GL, Payment Gateway Integration, API Integration

Professional Experience

Full Stack Developer — MERN Stack, Payment Integration

SkyWings - Learning Management System

Oct 2024 – Dec 2024

- Developed comprehensive LMS platform with secure user authentication and administrative dashboard functionality
- Implemented secure payment gateway integration and automated PDF certificate generation system
- Created real-time analytics dashboard using Chart.js for tracking user engagement and course completion rates
- Optimized application architecture for high availability and scalability to support multiple concurrent users
- Technologies:** React.js, Node.js, Express.js, MongoDB, JWT Authentication, Chart.js

Full Stack Developer — MERN Stack, AI/ML Integration

AgriTech - Smart Farming Platform

Aug 2024 – Feb 2025

- Built AI-powered crop recommendation system using TensorFlow for precision agriculture solutions
- Integrated multiple third-party APIs for real-time weather data and comprehensive soil analysis
- Developed interactive geolocation features using Mapbox GL for farm mapping and visualization
- Implemented responsive user interface with performance optimization for mobile and desktop platforms
- Technologies:** React.js, Node.js, MongoDB, TensorFlow, Python, Mapbox GL, REST APIs

Education

VIVA College, Mumbai University

Mumbai, India

Bachelor of Science in Information Technology

Apr 2022 – May 2025

- Specialization in Computer Science and Web Technologies
- Relevant Coursework: Data Structures, Algorithms, Database Management, Web Development

RS Infotech

Virar, India

Diploma in Software Engineering

Completed May 2022

- Comprehensive program covering software development fundamentals and programming principles
- Focus on practical application of software engineering concepts and methodologies

Certifications & Achievements

2022: Diploma in Software Engineering – RS Infotech

Projects: Completed multiple full-stack projects with production-level deployment