

MOHANAVEL R

Full Stack Developer

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PROFESSIONAL SUMMARY

Results-driven Full Stack Developer with strong expertise in Python (Django, Flask, FastAPI) and JavaScript (MERN Stack), experienced in building, deploying, and maintaining scalable web applications. Delivered 10+ end-to-end projects with hands-on experience in RESTful API development, database design and optimization, authentication, and responsive UI implementation. Certified Full Stack Developer with six months of full-time, real-world experience contributing to live, production-grade client projects. Recognized for clean code practices, rapid adaptability, and a strong focus on performance, scalability, and modern development standards.

PROFESSIONAL EXPERIENCE

Full-Time Web Developer Intern

Current

Webnique Digital Solutions, Bengaluru

- Delivered 4+ production-ready client applications supporting 1,500+ users, including Car-Fit, Cell World, Electricity Services, and Restaurant management systems.
- Designed and implemented full-stack functionality using React.js, Node.js/Express.js, MongoDB/MySQL, JWT authentication, and responsive HTML/CSS UI, improving load times by approximately 35%.
- Developed reusable React components, robust form validation, API integration with Axios, and ensured consistent mobile-first performance across all devices.
- Collaborated in Agile team environment with code reviews, Git version control, and production debugging to maintain code quality standards.
- Optimized application performance using lazy loading, code splitting, image compression, caching strategies, and database indexing techniques.

Full Stack Web Development Course

Completed

FalconX EdTech Solutions Pvt Ltd, Coimbatore

- Completed comprehensive MERN stack certification covering HTML5, CSS3, JavaScript ES6+, React.js, Node.js, Express.js, and MongoDB with hands-on projects.
- Built 5+ full-stack applications from scratch, gaining practical experience in responsive design, API integration, user authentication, and database management.

EDUCATION

B.E. Computer Science - J.K.K.N College of Engineering, Komarapalayam

2020-2024 | 7.5 CGPA

HSC - Govt. Higher Secondary School, Chettipatty (65%) | SSLC - Govt. HSS, Kullampatty (80%)

2020 | 2018

KEY PROJECTS

WB Root - Invoice & Quotation System

React.js, FastAPI, PostgreSQL, PDF Generation

Professional invoicing system with automated PDF generation, client management, itemized billing, tax calculations, payment tracking, quotation-to-invoice conversion, and RESTful API with PostgreSQL optimization.

E-commerce Web Application (Django)

Python, Django, MySQL, Bootstrap, PayPal

Django e-commerce platform with product management, user authentication, session cart, PayPal integration, product reviews, wishlist, inventory tracking, and admin panel.

Blog Management System

Python, Django, MySQL, Bootstrap, TinyMCE

Blog platform with post CRUD, nested comments, authentication, role-based access, category/tag management, SEO optimization, pagination, and content moderation.

Personal Portfolio Website

HTML5, CSS3, JavaScript ES6, EmailJS

Single-page portfolio with responsive layout, interactive animations, EmailJS contact form, performance optimization, and cross-browser compatibility.

E-commerce Platform (MERN Stack)

MongoDB, Express.js, React.js, Node.js, Tailwind CSS, Stripe

Full-stack e-commerce with 300+ products, JWT authentication, admin dashboard, shopping cart, Stripe payments, 20+ REST APIs, order tracking, email notifications, and analytics dashboard.

Social Media App (Instagram Clone)

Django, MySQL, Bootstrap, AWS S3, AJAX

Social networking app with user profiles, AWS S3 image uploads, real-time likes/comments with AJAX, follow system, feeds, notifications, infinite scrolling, and responsive design.

PWD Learning Platform

Python, Flask, MySQL, Bootstrap, Chart.js

Accessible learning platform for persons with disabilities featuring progress tracking, quizzes, achievements, personalized paths, WCAG compliance, keyboard navigation, and screen reader support.

Client Projects (Professional Internship)

Html, Css, Js, Bootstrap

Developed static, responsive landing pages for live client websites including Carfit, CakeBake Restaurant, and CellWorld. Focused on modern UI design, structured layouts, reusable React components, and responsive design to ensure cross-browser and multi-device compatibility.

TECHNICAL SKILLS

Frontend: HTML5, CSS3, JavaScript (ES6+), React.js (Hooks, Context API, Redux), AntD, Bootstrap, Tailwind CSS, Responsive Design, Mobile-First Development

Backend: Node.js, Express.js, Python (Django, Flask, FastAPI), RESTful APIs, Authentication & Authorization, Session Management, JWT Tokens

Database: MongoDB, MySQL, PostgreSQL, Database Design,

Tools: Cloudinary, Git, GitHub, VS Code, Postman, Axios | **Soft Skills:** Problem Solving, Critical Thinking, Team Collaboration