



# VIGNESH S

## MERN Stack Developer

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### PROFESSIONAL SUMMARY

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Self-taught MERN Stack Developer with a strong foundation in web application development. Proficient in JavaScript, React, Node.js, and MongoDB, with hands-on experience in building scalable, user-friendly projects using modern frameworks and microservice architecture. Passionate about continuous learning and leveraging technical expertise to solve complex problems and contribute to innovative, high-quality solutions.

### TECHNICAL SKILLS

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- **Languages:** JavaScript | TypeScript | HTML5 | CSS3 | SQL
- **Frontend:** React.js | Redux | Next.js | Bootstrap
- **Backend:** Node.js | Express.js
- **Databases:** MongoDB | MySQL
- **Tools & DevOps:** Git | GitHub | Docker | Kubernetes | VS Code | MongoDB Compass | Postman | Figma | Linux
- **Core Concepts:** RESTful APIs | MVC Pattern | Distributed Systems | Data Structures | JWT | gRPC | Cloud Fundamentals

### PROJECTS

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#### SocialConnect

[Live](#) | [GitHub](#)

A scalable social media platform with interactive features and real-time capabilities.

- Architected using microservices for improved scalability and maintenance
- Implemented user authentication, post creation, commenting, and real-time notifications
- Utilized RabbitMQ for efficient message queuing and service communication
- **Technologies:** Next.js (frontend framework for server-side rendering), React (UI components), Redux (state management), MongoDB (database for user and post data), RabbitMQ (message queue for service communication), Node.js (runtime environment), Express.js (API development)

#### E-Commerce Platform

[Live](#) | [GitHub](#)

A fully functional e-commerce application with comprehensive shopping features and secure payment processing.

- Implemented product catalog with search, sort, and filter functionalities for enhanced user experience
- Integrated Razorpay payment gateway for secure transactions and order processing
- Developed responsive design ensuring compatibility across various devices
- **Technologies:** Node.js (server-side logic), MongoDB (product and user data storage), Express.js (RESTful API creation), JavaScript (client and server functionality), HTML/CSS (markup and styling), Bootstrap (responsive UI components)

### MINI PROJECTS

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#### OCR Application

[Live](#) | [GitHub](#)

An Optical Character Recognition app that extracts text from images and documents.

- Integrated Tesseract.js for accurate text extraction from various image formats
- Implemented document processing with support for multiple languages
- Developed features for text editing, copying, and downloading extracted content
- **Technologies:** React (interactive UI), Node.js (backend processing), Express (API endpoints), Tesseract.js

(OCR functionality), **Bootstrap** (responsive design)

### Survey Application

[Live](#) | [GitHub](#)

A dynamic survey platform allowing users to create, distribute, and analyze custom surveys.

- Built intuitive survey creation interface with various question types and conditional logic
- Implemented real-time result visualization with charts and data export capabilities
- Designed mobile-responsive UI for optimal user experience across devices
- **Technologies:** **React** (interactive form components), **Node.js** (server operations), **Express** (API routing), **MongoDB** (survey data storage), **Chart.js** (data visualization)

## EDUCATION

<b>MERN Stack Development</b> , Brototype, Chennai	2023 – 2024
<ul style="list-style-type: none"><li>• Completed intensive 7-month full-stack development program</li></ul>	<a href="#">Certificate</a>
<b>B.Tech(Information Technology)</b> , Hindusthan College of Engineering, Coimbatore	2019 – 2023
<ul style="list-style-type: none"><li>• CGPA: 8.17</li></ul>	
<b>Higher Secondary (HSC)</b> , Sri Ramakrishna Matric Higher Secondary School, Perambalur	2018 – 2019
<ul style="list-style-type: none"><li>• Percentage: 73.66%</li></ul>	
<b>Secondary (SSLC)</b> , Sri Ramakrishna Matric Higher Secondary School, Perambalur	2016 – 2017
<ul style="list-style-type: none"><li>• Percentage: 89.6%</li></ul>	

## CERTIFICATIONS

- [JPMorgan Chase Software Engineering Virtual Experience](#) (Forage) - April 2025 - Scored 98% across all 5 modules
- [IBM - Introduction to Cloud Computing](#) - Earned Excellent rating on practical projects
- [HackerRank - SQL Intermediate Certificate](#) - Ranked in the top 15% among 100,000+ participants
- [Udemy - The Complete Full-Stack Web Development Bootcamp](#) - 60+ hours, built 4 production-ready applications

## ACHIEVEMENTS

- Solved 250+ algorithmic challenges on LeetCode, ranking in top 20% among JavaScript developers - [LeetCode Profile](#)
- Presented "AI Dilemma" to over 200 attendees at industry conferences, increasing audience engagement by 30% through interactive demos
- Coordinated college technical symposium with 15+ events, 20 speakers, and 10 workshops, increasing attendance by 20% from previous year
- Developed a secure authentication system for academic project, earning special department recognition for innovation
- Authored 10+ GitHub tutorials garnering 500+ stars and 200+ forks from the developer community

## LEADERSHIP & MENTORSHIP

- Directed a 4-member development team to complete an e-commerce project 2 weeks ahead of schedule with zero critical bugs at launch
- Mentored 5 junior developers through personalized curriculum with weekly code reviews and pair programming sessions, improving team velocity by 15% and reducing bug reports by 22%

## TECHNICAL STRENGTHS

Algorithm Optimization | Database Design | Solution Architecture | Code Efficiency | UX Development | System Integration | Error Handling | Performance Testing