

# VIGNESH BALAN

## Tech Lead – CodeShell Technologies

Madurai, Tamil Nadu

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## EXPERIENCE

### Tech Lead

CodeShell Technologies – Madurai, Tamil Nadu

Apr 2025 – July 2025

- Led multiple full-stack projects using the MERN stack and React Native, delivering scalable, high-performance applications.
- Made architectural decisions that enhanced scalability, performance, and maintainability.
- Mentored junior developers and conducted regular code reviews to ensure clean, consistent code quality.
- Streamlined CI/CD pipelines using GitHub Actions and PM2 for faster and more reliable deployments.

### React Native Developer

CodeShell Technologies – Madurai, Tamil Nadu

Sep 2024 – Apr 2025

- Built responsive cross-platform mobile applications using React Native and Redux.
  - Integrated RESTful APIs, collaborated with design and backend teams to meet product requirements.
  - Focused on performance tuning, debugging, and improving app usability and responsiveness.
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## PROJECTS

### Sportsperson Platform (MERN Stack)

A social platform for sports enthusiasts to share updates, organize matches, and plan events.

- Implemented real-time chat using Socket.IO and designed mobile-first UI/UX.
- Integrated match scheduling, user feeds, and location-based features.

### Adhimanagala – Production Tracker (MERN Stack)

A production and inventory management tool.

- Built real-time inventory and production tracking modules with live update features.
- Created dashboards with analytics and data visualization for operational insights.

### Shopping Application (MERN Stack)

A full-featured e-commerce platform.

- Developed key features like product listings, cart system, authentication, and payment gateway.
  - Designed a mobile-optimized responsive interface to enhance the user experience.
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## EDUCATION

### B.Sc. Computer Science

Dr. Zakir Hussain College, Illayangudi, Tamil Nadu

Jun 2021 – Apr 2024

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## SKILLS

**Languages:** JavaScript, TypeScript, C++, Java

**Frameworks/Libraries:** React.js, React Native, Node.js, Express

**Databases:** MongoDB, MySQL, SQLite, PostgreSQL

**Tools & DevOps:** Git, GitHub, PM2, Nginx, GitHub Actions, Linux (Arch/Ubuntu), Bash

**Design & Media:** Figma, GIMP, Adobe Illustrator, DaVinci Resolve