TARUN VM

FULL STACK DEVELOPER

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SUMMARY

Full Stack Developer with hands-on experience in **MERN stack development** and expanding expertise in **Java Full Stack technologies**. Proven ability to build **scalable web applications** with clean, maintainable code. Experienced in **RESTful APIs**, **database design**, and **responsive web development**. Currently seeking a **developer role** to contribute **technical expertise** and drive innovative solutions.

TECHNICAL SKILLS

- Frontend Development: JavaScript, **React.js**, **HTML5**, **CSS3**, **Bootstrap**, Responsive Design, **DOM Manipulation**
- Backend Development: **Node.js**, **Express.js**, **Java**, **RESTful APIs**, **JWT Authentication**, **API Integration**
- Databases: **MongoDB**, **MongoDB Atlas**, **MySQL**
- Development Tools: **Git**, **GitHub**, **Postman**, **VS Code**, **IntelliJ IDEA**, **Render** (deployment)
- Core Competencies: **Full Stack Web Development**, **CRUD Operations**, **Database Design**

PROJECTS

ENTERPRISE LEAVE MANAGEMENT SYSTEM   Jul - 2025

GitHub | Live Demo

- Developed **full-stack MERN application** with **5** endpoints, and user registration across **4 departments**, and comprehensive leave management workflow using **React.js**, **Node.js**, and **Express.js**
- Built **scalable RESTful API** with modular routing, input validation, and CORS configuration. Integrated **responsive frontend** with React Router navigation and real-time status updates
- Designed **business logic** ensuring registered-employee-only access with automatic date validation, days calculation, and **admin approval dashboard** functionality
- Technologies: **React.js, Node.js, Express.js**, JavaScript ES6+, CSS3, RESTful APIs, In-Memory Storage

MERN WORKOUT TRACKER   Jun - 2025

GitHub | Live Demo

- Architected **full-stack MERN application** with CRUD functionality and **cloud deployment** on Render platform
- Constructed **RESTful API** with **8 endpoints** using Node.js and Express.js with **MongoDB Atlas integration** for reliable data persistence handling **100+ workout records**
- Created **React single-page application** utilizing **Context API** and **Reducer hooks** for efficient state management and real-time UI updates
- Technologies: **React.js**, **Node.js**, **Express.js**, **MongoDB**, Context API, RESTful APIs

SIMON GAME - MEMORY PATTERN GAME   Dec - 2024

GitHub | Live Demo

- Programmed **interactive memory-based game** using **vanilla JavaScript** with pattern generation and **progressive difficulty**
- Configured **comprehensive game logic** within **80 lines** of Javascript code with **DOM manipulation** for responsive gameplay and user feedback
- Technologies: **JavaScript**, **HTML5**, **CSS3**, DOM Manipulation, Game Logic

INTERACTIVE WEB DRUM KIT   Jan - 2025

GitHub | Live Demo

- Established **responsive virtual drum kit** with **7 real-time audio playback** and keyboard/mouse **event handling**
- Implemented **cross-device compatibility** with **CSS animations** and responsive design for optimal user experience
- Technologies: **JavaScript (ES6+)**, **HTML5**, **CSS3**, DOM Manipulation, Event Handling

EDUCATION

VEL TECH UNIVERSITY   Chennai

Bachelor of Biomedical Engineering   Expected October 2025
Specialization in Artificial Intelligence in HealthCare
Cumulative GPA: **8.4**/10
Research Publication:"Realtime Cardiac Health Monitoring Using Advanced Embedded Systems"
IEEE ICBSII Conference, 2025 | [Publication Link]