

DHARSHAN SENTHIL

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Software Development Engineer (SDE)

EDUCATION

B.Tech in Computer Science and Business Systems
Sri Krishna College of Engineering & Technology, Coimbatore

2021 – 2025 | CGPA: 7.51

TECHNICAL SKILLS

- **Programming Languages:** Java
- **FrameWork:** ReactJS, Express.js, NodeJS
- **Databases:** MySQL, Supabase, Firebase
- **Software Development Tools:** GitHub, Visual Studio Code
- **Technical Proficiencies:** Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA), REST API Development, System Design

EXPERIENCE

Software Development Intern

Automotive Robotics India Pvt Ltd., Chennai

Sep 2023 – Nov 2023

- Developed and Co-ordinated to **Smart Worker**, an AR application using **Unity 3D**, aimed at enhancing workforce efficiency
- Navigated unfamiliar codebase for Smart Worker, contributing a key feature—interactive 3D model display—within the first month, enhancing user engagement by a factor of three according to user feedback
- Initiated daily code review sessions within the AR application team, identifying and resolving 12 critical bugs and vulnerabilities, improving application stability by 10% within one sprint
- Received positive feedback for efficiency, technical proficiency, and strong commitment to project tasks

PROJECTS

Bubba – AR Mental Health App

[Link](#)

- Created an AR mental health support app with **emotion recognition** and **3D avatars**
- Engineered natural language processing (NLP) module to tailor user interactions within the AR mental health app, achieving an 85% satisfaction rating based on user feedback surveys
- Designed 3D avatars with real-time emotion recognition, enhancing user engagement and app interactivity

Stack : Unity 3D, TensorFlow, Natural Language Processing (NLP)

GameVerse – Real-Time Video-Based Social Deduction Game

[Link](#)

- Built a low-latency multiplayer game with peer-to-peer video chat, enabling synchronized gameplay for 5 users with zero downtime
- Developed a real-time video interface achieving sub-150ms latency across devices
- Implemented backend logic for room management, role assignment, and game state integration
- Optimized video performance, reducing latency by 15% and enhancing responsiveness as a junior team contributor

Stack : React, WebRTC, Socket.IO, Node.js, Express, Tailwind CSS

FinTrack – Personal Finance Tracker with Telegram Integration

[Link](#)

- Built a full-stack finance tracker enabling real-time expense logging and management, writing 500+ lines of clean, maintainable code
- Streamlined tracking with a Telegram bot for automated bill/message logging, the most used feature among beta testers
- Designed a dashboard to visualize transaction history, summaries, and insights for personal finance
- Implemented message parsing and database triggers for real-time sync between Telegram and the web platform

Stack : React.js, Supabase, Telegram Bot API, Node.js

CERTIFICATION

Advanced React — Coursera (Offered by Meta) | Completed: May 2025

- Completed 10+ hours of training in React, with a focus on performance optimization and scalable application architecture, to ensure the delivery of clean, efficient, and maintainable code

ACHIEVEMENTS

- Cubethon 2023, Kochi – Second Runner-up — Created BUBBA, an immersive AR and AI-based interactive experience
- Hack-AI-thon 2023, Coimbatore – Finalist — Created TechEase, an educational learning platform
- Riggathon 2022, Coimbatore – Top 10 Finalist — Developed an IoT-based water level detection system