

# Dharun R

+91 6383678731 [dharunamikaze@gmail.com](mailto:dharunamikaze@gmail.com) [linkedin.com/in/dharunn](https://linkedin.com/in/dharunn) [github.com/DharuNamikaze](https://github.com/DharuNamikaze) [Portfolio](#)

## Education

<b>KIT - KALIGNARKARUNANIDHI INSTITUTE OF TECHNOLOGY</b> <i>Bachelor of Artificial Intelligence and Data Science (GPA: 7.65 / 10)</i>	Nov 2022 – Present <i>Coimbatore, Tamil Nadu.</i>
<ul style="list-style-type: none"><li>• <b>Relevant Coursework:</b> Data Science, Machine Learning, Data Structures and Algorithms.</li></ul>	

## Technical Skills

**Core:** TypeScript, Node.js, React, Python, Next.js

**Web:** HTML, CSS, Tailwind CSS, Express, Astro.js

**Databases:** MongoDB, Firebase, MySQL

**Tools:** Git, GitHub

**Concepts:** Machine Learning, Databases, Operating Systems, System Design

## Experience

<b>MyAnatomy Integration</b> <i>FullStack Developer (Remote)</i>	June 2025 - Dec 2025 <i>Coimbatore, Tamil Nadu.</i>
<ul style="list-style-type: none"><li>• Contributed to AgentHub, AI-driven chat support platform enabling clients to create RAG-powered assistants with real-time chat, human takeover and analytics.</li><li>• Built the dashboard backed by MongoDB, implemented auto-refreshing analytic APIs and optimised UI/UX.</li><li>• Implemented Agent Management System with CRUD, Document ingestion using OpenAI Assistant + Pinecone RAG, WebSocket-based live chat system with human takeover support.</li><li>• Optimized Build pipeline with tree-shaking, code-splitting, lazy-loading; reduced the bundle size by 39%.</li><li>• Tested with 529 backend tests, 128 frontend tests, property tests and achieved ~85% coverage.</li></ul>	

## Projects

<b>Gravity</b>   <i>TypeScript</i>	<a href="https://github.com/DharuNamikaze/Gravity">github.com/DharuNamikaze/Gravity</a>
<ul style="list-style-type: none"><li>• Gravity enables LLMs to inspect and debug live UI by querying real DOM values, unlocking UI debugging capabilities not possible with static DOM snapshots.</li><li>• Built a Manifest V3 chrome extension that invokes the chrome.debugger API (CDP) to extract runtime DOM, box models, and computed styles from active tabs.</li><li>• Implemented a resilient end-to-end pipeline (LLM <math>\leftrightarrow</math> MCP <math>\leftrightarrow</math> Native Host <math>\leftrightarrow</math> Extension <math>\leftrightarrow</math> Browser) with automatic reconnection and request correlation.</li><li>• Packaged the system as an npm package which works with almost all MCP-based clients (VS Code, Cursor, etc.).</li></ul>	

<b>Convertify</b>   <i>Next.js, TypeScript, FFmpeg</i>	<a href="https://convertify-rho.vercel.app">convertify-rho.vercel.app</a>
<ul style="list-style-type: none"><li>• Online file converter supporting 30+ formats using FFmpeg, runs entirely on client-side for transparency</li><li>• Integrated FFmpeg WebAssembly, processing files up to 500MB entirely client-side.</li><li>• Reused a single Web Worker instance across conversions, reducing memory overhead and improved performance</li></ul>	

<b>Odyssey</b>   <i>Next.js, TypeScript, D3.js, Firebase</i>	<a href="https://my-odyssey.vercel.app">my-odyssey.vercel.app</a>
<ul style="list-style-type: none"><li>• Odyssey is a workspace for organizing ideas, habits, notes, tasks and track your progress for personal productivity.</li><li>• Built a streak system using a reverse-order traversal algorithm that processes completion dates in <math>O(n \log n)</math> time.</li><li>• Designed a 5-layer security system using OAuth 2.0, Firebase JWTs, Edge middleware, and rate limiting (100 req/min), mitigating XSS, CSRF, MITM, and token theft with ~20ms verification latency.</li></ul>	