Abhinav Sreejith

Full Stack Developer

React · TypeScript · Node.js · MongoDB · PostgreSQL

+91 7356002538 | abhinavsree243@gmail.com | LinkedIn | GitHub | Portfolio | LeetCode

SUMMARY

Full-stack developer who shipped a production attendance system for a paying construction company, handling 5,000+ attendance records monthly for 200 employees across 10 sites. Built it solo end-to-end with React, TypeScript, and Node.js, and prepared the company's ERPNext rollout for go-live. Co-author of an IEEE Xplore paper, with 200+ DSA problems solved.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python

Frontend: React, Tailwind CSS, HTML, CSS, shadcn/ui, daisyUI

Backend: Node.js, Express.js, REST APIs, JWT Authentication, Socket.IO

Databases: MongoDB, Mongoose (ODM)

Tools: Git, GitHub, Postman, Render, Antigravity, Claude Code

Concepts: Data Structures, Algorithms, OOP, Database Design, Authentication & Authorization

EXPERIENCE

Software Developer / Technical Consultant - Project Based

May 2026 – Jul 2026

New Gulf Desert Projects L.L.C | Oman

- Replaced a paper-based attendance process (printed sheets, manual spreadsheet entry, printed timesheets, manual salary calculation) with a custom web system covering 200 employees across 10 sites and 20 projects, used daily by 20 users.
- Eliminated the error-prone manual chain behind recurring employee pay complaints, cutting attendance-to-payroll processing time by more than half.
- Prepared an ERPNext deployment for go-live by verifying and customizing workflows across the stock, buying, selling, payroll, and projects modules, working with the external ERP development team.
- Trained 5 staff on the ERP workflows and provided ongoing post-launch support.

PROJECTS

Attendance Management System

May 2026 – Sep 2026

React · TypeScript · Node.js · Express.js · MongoDB

GitHub | Live Demo

- Designed three-tier role-based access (superadmin, admin, supervisor), restricting supervisors to their own site and same-day entry so historical records can only be changed by admins.
- Built historical-correction and inter/intra-site transfer workflows that preserve allocation history, processing 5,000+ attendance records monthly.
- Built an ERP export that converts attendance data into ERPNext's import format, removing manual re-entry into payroll.
- Replaced a brittle cutoff-hour heuristic for overnight shifts with explicit per-session day offsets and a timeline resolver, fixing mis-attributed night-shift hours and adding a cross-day overlap check to prevent double-paid work.

Modus — Smart Task Manager

2026

React · Node.js · Express · MongoDB · Tailwind CSS

GitHub | Live Demo

- Built a task-management app with productivity analytics, including activity heatmaps and streak tracking.
- Integrated an AI-powered task-breakdown feature that converts high-level goals into structured, actionable subtasks.
- Implemented JWT-protected REST APIs with authentication workflows, task categorization, filtering, and sorting.
- Fully hand coded from scratch.

PUBLICATION

IEEE NetACT 2025 — Co-authored *"On-Demand Service Web Application Architecture,"* published in the IEEE Xplore Digital Library.

CODING PROFILES

LeetCode: 200+ Data Structures & Algorithms problems solved in Python & Javascript.

EDUCATION

APJ Abdul Kalam Technological University — Aug 2025

B.Tech Computer Science and Design | CGPA: 7.5 / 10.0 — Kerala, India

Kendriya Vidyalaya — 2021

Senior Secondary (CBSE) | 84%