

Tilakavati Adhireddy

adhireddytilakavati@gmail.com | +91 7386697499 | Hyderabad, Telangana
LinkedIn | GitHub | Portfolio

PROFESSIONAL SUMMARY

MERN Full Stack Developer with hands-on experience in building scalable web applications using React, MongoDB, Express.js and Node.js. Completed comprehensive **full-stack** training from **AccioJob** and actively seeking opportunities to contribute to **high-impact development** teams.

TECHNICAL SKILLS

- **Client-Side:** HTML5, CSS3, JavaScript (ES6+), React.js, Redux, Tailwind CSS, Bootstrap 5
- **Server-Side:** Node.js, Express.js, JWT Authentication, RESTful APIs, MongoDB, Mongoose, MySQL, PostgreSQL
- **Deployment & Cloud:** Vercel, Render, Netlify, MongoDB Atlas
- **Languages:** Java, Python, C#
- **Version Control:** Git, GitHub
- **Tools:** Postman, VS Code, npm, Webpack, Vite
- **Coursework:** Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks, OOPs

WORK EXPERIENCE

S&P Global

Jun 2023 – Feb 2025

Associate Engineer

- Significantly improved sprint variance by contributing robust manual and automation tests, resulting in higher team velocity, better delivery predictability, fewer rollovers, and a **110% increase in revenue**.
- Played a key role in a highly successful on-prem-to-AWS migration for a platform used by over **155+ banks, with over 1550+ users** overall while improving performance and accessibility.
- Optimized existing test suites by removing redundancies and improving execution time, resulting in a **30% reduction in overall test run time**.
- **Logged 50+ bugs** across 4 projects by closely collaborating with Product Managers, Client Success, Developers, and Testers, leading to faster resolutions and improved release quality.
- **Migrated and enhanced** end-to-end test suites, improving execution speed, reliability, and overall test stability by handling flaky tests using auto-wait mechanisms and smart retries.

PROJECTS

PureBasket – E-Commerce Application

GitHub | Live App

React.js, Node.js, Express.js, MongoDB

- Built and deployed a **full-stack e-commerce platform** with secure **JWT-based authentication** and **15+ RESTful APIs** supporting product management, cart operations for **100+ concurrent users**.
- Optimized MongoDB queries using indexing and aggregation pipelines, **reducing API response time by 30%**, and implemented a responsive checkout workflow that improved **user interaction efficiency by 40%**.

RoomEase – Hotel Booking Web Application

GitHub | Live App

React.js, Node.js, Express.js, MongoDB

- Built a full-stack hotel booking system with secure **JWT-based authentication**, dynamic room listings, real-time tracking, and reservations, designing **12+ RESTful APIs** to handle booking, user, and inventory operations.
- Optimized database queries using indexing and schema design, reducing booking **response time by 30%**.

SerenAI – AI-Powered Emotional Analytics Web Application

GitHub | Live App

React.js, Node.js, Express.js, MongoDB, Gemini AI

- Developed **SerenAI**, an **AI-driven mental wellness platform** that analyzes emotional tone from user chats using NLP sentiment analysis, **processing 20+ messages** during testing and visualizing daily mood trends.
- Implemented dynamic trend graphs and heatmaps with real-time updates **under 200ms response time**.

EDUCATION

B.E in Information Technology

Jun 2019 – Jun 2023

Vasavi College of Engineering, Hyderabad

ACHIEVEMENTS & CERTIFICATIONS

- Completed an intensive Full Stack Web Development program at **AccioJob**, gaining hands-on expertise in **MERN stack, REST API development**, and scalable application architecture.
- Built multiple production-grade **full-stack applications** and strengthened core computer science fundamentals including Data Structures, Algorithms.
- Solved over **500 DSA problems** from all of the coding websites