# Diwakar G

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Portfolio | GitHub | LinkedIn | LeetCode

## Professional Summary

Full Stack Developer with 2 years of experience, skilled in building real-time systems, secure authentication, and scalable REST APIs using the MERN stack. Experienced in debugging production issues and improving code quality across the full SDLC in Agile environments.

## Work Experience

**Full Stack Developer** May 2024 – April 2026
*RR IT Solutions, Chennai, India*

- Developed responsive, accessible UI components in React.js with dynamic role-based rendering (RBAC), delivering seamless user experience across department-specific dashboards and analytics views.
- Authored unit test cases for critical REST API endpoints and authentication flows using modular testing practices, reducing bug rate and improving code reliability across sprint releases.
- Conducted peer code reviews and enforced coding standards across the codebase, improving maintainability and reducing technical debt in a fast-paced startup environment.
- Managed end-to-end deployment of frontend and backend applications to Microsoft Azure, configuring CI/CD pipelines via GitHub Actions for automated build, test, and release workflows in production environments.
- Integrated third-party REST APIs to extend platform capabilities and streamline core business workflows; leveraged React Context API for scalable global state management across multi-module applications.
- Worked in an Agile (Scrum) environment with 2-week sprint cycles, participating in daily standups, sprint planning, and retrospectives to deliver features on schedule.

## Projects

**NeuroRide – Intelligent Ride-Sharing Platform** [Demo]

- Architected a microservices-ready, event-driven ride-sharing platform with demand and location-based driver-rider matching using optimization algorithms.
- Built real-time ride tracking with Socket.IO WebSockets and Redis Pub/Sub for distributed event handling across concurrent sessions.
- Configured Razorpay for automated driver payouts with full payment lifecycle management and admin payment oversight.
- Shipped complete ride lifecycle from booking, driver acceptance, and live GPS tracking to ride completion, cancellation, and post-ride rating system.
- **Tech Stack:** Next.js, Node.js, Express.js, MongoDB, Redis, Socket.IO, Razorpay, Google Maps API, Docker, JWT

**Invoice – SaaS Platform** [Demo]

- Created a multi-tenant SaaS invoicing platform for freelancers and SMBs supporting invoice creation, client management, and real-time payment tracking.
- Set up Stripe payments with webhook listeners for live invoice status updates on payment success and failure events.
- Enabled Auth0 OAuth2 authentication with Google for frictionless user onboarding.
- Built a responsive income dashboard with invoice analytics, client profiles, and payment history using TailwindCSS.
- **Tech Stack:** Next.js, Node.js, Express.js, MongoDB, Auth0, Stripe, TailwindCSS

**Insights – Enterprise Analytics Platform** May 2024 – April 2026

- Engineered end-to-end authentication system with JWT-based login and Single Sign-On (SSO). Implemented Role-Based Access Control (RBAC) enabling department-level data visibility across admin and user hierarchies.
- Designed and optimized 20+ RESTful APIs for user management and report mapping using MongoDB indexing, reducing average API response time by 35%.
- Integrated Power BI dashboards for real-time department-specific analytics and dynamic dashboard rendering based on authenticated login context.
- Launched user activity tracking module capturing menu click counts and report usage metrics for behavioral analytics.
- Streamlined admin-side employee search enabling administrators to query, find, and map employees to respective departments, simplifying access management.
- **Tech Stack:** React.js, Node.js, Express.js, MongoDB, JWT

**Enterprise Document Search and Authentication System** May 2024 – April 2026

- Built typeahead search with fuzzy matching for fast document retrieval, applying debounced input on the frontend and optimized query logic on the backend for real-time suggestions.
- Improved document retrieval speed by optimizing MongoDB query performance using indexing and efficient LAN-based internal data transfer.
- Crafted reusable React.js frontend components for document search and authentication flows, ensuring consistent UX across the application.
- **Tech Stack:** React.js, Node.js, Express.js, MongoDB, JWT

## Technical Skills

**Frontend:** HTML5, CSS3, JavaScript (ES6+), TypeScript, React.js, Next.js, Angular, Tailwind CSS, Vite

**Backend:** Node.js, NestJS, Express.js, WebSockets, JWT, OAuth2, FastAPI

**Databases:** MongoDB, PostgreSQL, Firebase, Redis

**AI and ML:** LangChain, MCP, Retrieval-Augmented Generation (RAG), Generative AI, Large Language Models (LLMs)

**Payments and Auth:** Stripe, Razorpay, Auth0

**Cloud and DevOps:** Microsoft Azure, Google Cloud Platform (GCP), Vercel, Render, Docker, GitHub Actions, CI/CD Pipelines; AWS

**Methodology:** Agile (Scrum), Microservices Architecture, RESTful API Design

**Tools:** Git, GitHub, Postman, Swagger

## Education

**College of Engineering Guindy, Anna University** 2018 – 2022
Bachelor of Technology (B.Tech) in Information Technology CGPA: 7.56 / 10.0

## Licenses Certificates

- Generative AI with Large Language Models – DeepLearning.AI [Certificate]
- Node.js – Scaler Academy [Certificate]
- JavaScript – Great Learning [Certificate]
- React JS – Udemy [Certificate]
- Introduction to Cybersecurity – CISCO [Certificate]