

JWALA KUMAR

Full Stack Web Developer | React, Node.js & TypeScript

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SUMMARY

Full Stack Web Developer (MCA, Galgotias University, 2026) with hands-on experience architecting, building, and deploying production web applications end-to-end — from React/TypeScript frontends to Node.js/Express/tRPC backends and relational/NoSQL databases. Built and deployed InvenFlow, a live production inventory management system, and a full-stack, multi-role marketplace platform with role-based access control, type-safe APIs, and cloud deployment. Comfortable owning the entire stack: UI, API design, database modeling, authentication, and debugging production issues.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, C

Frontend: React.js, Vite, Tailwind CSS, Shadcn UI, HTML5, CSS3, Responsive Design, Recharts, Wouter

Backend: Node.js, Express.js, tRPC, RESTful API Design, JWT/bcrypt Authentication

Databases & ORMs: MongoDB (Atlas), MySQL, SQLite, Drizzle ORM, Turso (Edge DB)

DevOps & Deployment: Git/GitHub, Vercel, Render, CORS Configuration, Environment & Secrets Management, Infrastructure-as-Code (render.yaml)

Tools: VS Code, Postman

PROJECTS

AI-Powered Retail Demand Forecasting & Multi-Vendor Marketplace | React, Node.js, Express, tRPC, Drizzle ORM, TypeScript

retail-demand-forecasting-ym09.onrender.com

- Architected a full-stack, multi-role marketplace (Buyer/Seller/Admin) on a type-safe TypeScript stack — React/Vite frontend, Node.js/Express/tRPC backend, Drizzle ORM with SQLite/Turso
- Enforced role-based access control (RBAC) at both UI and API layers via tRPC middleware, and implemented transactional order flows (stock deduction, order creation, activity-log audit trail)
- Deployed the full application to production on Render with a Turso edge database, integrating a Python-based ML microservice for demand forecasting

InvenFlow — Full-Stack Inventory Management System | React, Node.js, Express, MongoDB

inven-flow-mu.vercel.app

- Built and fully deployed a production inventory management system: React/Vite/Tailwind frontend on Vercel, Node.js/Express backend on Render, MongoDB Atlas database
- Designed RESTful APIs with authentication and optimized data handling to improve system performance
- Resolved production deployment issues spanning CORS configuration, MongoDB SRV/DNS connectivity, and responsive UI across devices

NeuralChat — Multi-Model AI Chat Application | Node.js, Groq, Hugging Face, OpenRouter APIs

neuralchat-qp27.onrender.com

- Developed a generative AI chat application with access to 10+ AI models via Groq, Mistral, OpenRouter, and Hugging Face APIs
- Built a Node.js proxy backend and a dark-themed frontend supporting multi-turn conversation, markdown rendering, and model/provider selection

College Management System | React, Node.js, RESTful APIs

- Engineered a full-stack application to manage student, faculty, and course data with authentication and database integration
- Designed and implemented RESTful APIs, improving data handling efficiency and overall system performance

EXPERIENCE

Full Stack Web Developer — Academic & Self-Driven Projects 2025 – 2026

- Architected and shipped multiple full-stack web applications end-to-end, from system design and API architecture through production deployment
- Built type-safe REST and tRPC APIs with authentication (JWT/bcrypt), integrating relational (MySQL/SQLite) and NoSQL (MongoDB) databases
- Debugged and resolved production issues spanning CORS configuration, DNS/SRV connectivity, and cross-device responsive UI
- Applied modular architecture, environment-based configuration, and Git version control for maintainable, collaborative development

CERTIFICATIONS

- Web Development With Python — Microsoft
- Web Development — Internshala
- Foundations of Cybersecurity — Google

EDUCATION

Master of Computer Applications (MCA) — Galgotias University, 2026

Bachelor of Computer Applications (BCA) — University of Lucknow, 2022

12th (Higher Secondary) — Shaheed Inter College, 2019 | 10th (High School) — Shaheed Inter College