

Yuvraj Singh

Forward Deployed Engineer

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Technical Skills

AI / LLMs: Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), AI Agents, Model Context Protocol (MCP), Prompt Engineering, Embeddings, Tool Calling

Languages: Python, JavaScript, TypeScript, SQL

Frameworks: React.js, Next.js, Node.js, Express.js, Tailwind CSS

Databases: MongoDB, PostgreSQL

Tools: REST APIs, Socket.IO, Git, GitHub, Postman, Swagger, Vercel, Render, Cursor

Work Experience

SK Agri Exports (Potato Bazaar)

June 2026 - Present

Forward Deployed Engineer

- Mapped RFQ, delivery, and supplier operations into a production multi-tenant SaaS, taking workflows from a working prototype to a deployed product with operations stakeholders.
- Shipped production RAG (Retrieval-Augmented Generation), MCP (Model Context Protocol) tool-calling agents, embeddings, and LLMs (Large Language Models) so staff get grounded answers and automated workflows instead of manual process hops.

Protonshub Technologies CMMI Level 5, Indore

Jan 2026 - Mar 2026

SDE Intern - Frontend Developer

- Shipped customer-facing job-listing and transport-service modules for the Potato Bazar web app in React.js, delivering independent feature workflows that improved accessibility, scalability, and user experience.

RENTPROMPTS, Indore

June 2025 - August 2025

SDE Intern

- Optimized the customer-facing AI Studio interface, improving navigation efficiency by 25% and resolving 5+ critical issues through structured debugging and REST API integration.
- Streamlined dashboard and filtering workflows, reducing task completion time by 30% and improving real-time performance through connection optimization.

Education

MEDICAPS UNIVERSITY

Aug 2022 - Jun 2026

B.E. in Computer Science and Engineering (CSE)

Project Work

Xpress Writers | SaaS Platform: Live: xpresswriters.in

- Shipped a customer-facing SaaS connecting clients with expert writers, with real-time chat (Socket.IO), role-based dashboards a non-technical user can run, order management, and REST APIs.
- Designed end-to-end architecture in JavaScript, TypeScript, React.js, Next.js, Node.js, and Express.js for a high-performance production application.

JavaScript, TypeScript, React.js, Next.js, Node.js, Express.js, Socket.IO

Admivo | Foreign Consultancy Platform: Live: admivo.in

- Built document and application workflows for a consultancy: student onboarding, document pipelines, and admin dashboards operations staff can run without engineering help.
- Engineered scalable REST APIs and responsive frontend modules in React.js, Next.js, Node.js, Express.js, and PostgreSQL.

React.js, Next.js, Node.js, Express.js, PostgreSQL

Awards and Certificates

- HackMivo Hackathon Winner: Secured 1st place at HackMivo Hackathon conducted by Admivo, shipping a working product under contest constraints.