

Yash Chavan

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Skills

Backend: Node.js, Socket.io, Kafka, Redis, Nginx, PostgreSQL, GraphQL, JWT

DevOps and AI/ML: Git/GitHub, Docker, Kubernetes, Terraform, AWS, CI/CD, Langchain, FastAPI, RAG

Frontend: React, Redux, Tailwind CSS, Framer Motion

Languages: C/C++, Java

Projects

Chat Agent SDK (2025) | [Code](#) | [Demo](#)

[TypeScript, Express, SSE, Redis, Langchain, MCP, CMS, React, Morgan]

- **Plug-and-play platform** for developers to integrate **domain-specific** chat agents with Contentstack **CMS** data.
- Developed an **LLM Model API** and custom middleware to toggle between LLM providers with **API validation**.
- Integrated **MCP** and optimized Redis caching for **real-time streaming responses** with fallback alerts and responses.

Legal Mitra (2025) | [Code](#) | [Demo](#)

[Langchain, NLP, RAG, FAISS, BERT, Pytorch, React, Express, MongoDB]

- Developed a smart **legal assistance platform** simplifying access to Indian laws with a trusted legal database.
- Enabled **real-time legal news updates**, location-based lawyer discovery, and **PDF chat using RAG architecture**.
- Delivered concise legal **answers with linked articles** using dataset **aggregation queries** and LLM-based summary.

DataDive (2026) | [Code](#) | [Demo](#)

[LangChain, LangGraph, Teserract, React, Node.js, MongoDB, PostgreSQL]

- An **enterprise AI platform** to unify multimodal data from databases, Conversations and cloud storage sources.
- **Hybrid retrieval engine** that dynamically routes queries across structured databases and semantic search pipelines.
- **RAG-based interface** that generates grounded responses with **interactive tables, charts, graphs**, and documents.

Work Experience

BrowserStack

Mar 2026 – Present

Software Development Engineer - Customer Engineer

- Built a **GH-Actions-based automation system** to provision demo environments without any repository cloning.
- Developed a **mobile application** demonstrating capabilities of multiple BrowserStack products through real use cases.
- Delivered **live technical product demonstrations** to 30+ enterprise clients, resolving real-time technical challenges.
- Resolved **high-priority enterprise support issues** under strict SLAs, minimizing customer impact.

AI Virelity Solutions

Dec 2025 – Mar 2026

Software Engineer

- Developed **Virtual Try-On** feature using **Nano Banana Pro** and **React Native**, optimizing model inference.
- Built an **end-to-end recommendation engine**, with **incremental embeddings updates** for new products.
- Optimized **mobile app performance** with image rendering improvements, and component-wise **fallback strategies**.
- Designed and implemented a robust **CI/CD pipeline** to automate build, testing, and deployment workflows.

Achievements and Certificates

- Won cash prize of **Rs. 50,000** at **Techsurf 2025** Hackathon, organized by **Contentstack**.
- **Published 2 copyrights** and **registered 1 patent** for innovative academic project. [Certificate](#)
- Winner of **Code-o-Fiesta 2024, State-Level Hackathon**, demonstrating strong problem-solving. [Certificate](#)

Education

VCET, Vasai

June 2026

B.E. in Computer Engineering

CGPA: 9.50

- **Relevant Coursework:** OOPs, Data Structures and Algorithms, Operating System, Computer Network.