

# YASH GAUR

Software Engineer specializing in AI Systems, Voice Agents, and Scalable Backend Architecture

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## Work Experience

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**Software Engineer** | Oscorm Digital Pvt. Ltd.

Jan 2026 - Present

- Built and maintained multiple production-grade full-stack applications using Next.js, including a **hiring marketplace (Upwork-like)** and a **travel booking platform (MakeMyTrip-like)**, following scalable architecture and clean code practices.
- Implemented end-to-end features such as authentication, job posting & applications, flight/hotel search and booking flows, SSR, SEO optimization, and performance tuning for high-traffic, user-facing platforms.
- Contributed to a client-facing AI-based consultation platform, integrating frontend and backend workflows, collaborating with AI and product teams, and delivering reliable, production-ready features.

**Software Engineer** | Excellence Technologies Pvt. Ltd.

April 2025 – Nov 2025

- Built an AI-powered HR automation system using **Puppeteer + Gemini AI**, cutting manual review effort by 70–80 and generating real-time job insights for faster decision-making.
- Engineered the internal **HRMS platform** (frontend + backend) and implemented **Redis** caching to optimize performance, cutting API response time from 5s to 500ms.
- Built low-latency real-time Voice AI pipelines integrating STT → LLM → TTS workflows using LiveKit and **OpenAI Realtime APIs** with streaming response orchestration.
- Built real-time conversational **Voice AI systems** for astrology consultation workflows using **OpenAI Realtime APIs** and **LiveKit**.

**Full-Stack Developer Intern** | ForgebyteSolutions Pvt. Ltd.

Jan – Mar 2025

- Developed and deployed full-stack client websites using **Next.js, Tailwind CSS, and Supabase**, improving load times by **40%**.
- Designed and customized WordPress websites with **Elementor**, enhancing UI/UX and increasing client engagement by **30%**.
- Collaborated with cross-functional teams to deliver tailored IT solutions, optimizing web applications for **99% uptime**.

## Key Skills

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**Languages:** HTML, JavaScript, TypeScript, Python, C++

**Frontend:** React.js, Next.js, Redux Toolkit, TailwindCSS

**Backend:** Node.js, Express.js, PRISMA, GraphQL, Socket.io, Flask, FastApi, Django

**Database:** MySQL, MongoDB, Redis, Supabase

**DevOps & Cloud:** Docker, Kubernetes, GCP, AWS

**AI & LLM Stack:** OpenAI APIs, LangChain, LangGraph, RAG, MCP, Vector Search, Prompt Engineering, AI Agents

**Voice AI:** LiveKit, Deepgram, ElevenLabs, OpenAI Realtime API

**Vector Databases:** FAISS, PineCone, Qdrant, ChromaDB

## Projects

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**AI-Recruiter (LLM + RAG + Vector Search System)** | [Github Link](#)

- Designed a **RAG-based** recruiting intelligence system using **FastAPI, LangChain, vector embeddings**, and **semantic search** pipelines for contextual resume analysis.
- Developed an AI-powered interview intelligence agent leveraging **Tavily Search** to fetch real past interview questions, candidate experiences, and actionable insider tips scraped from the web.
- Engineered an optimized workflow integrating LLM reasoning + **vector search** to deliver accurate, context-aware responses through a responsive **Next.js** frontend and scalable **FastAPI** backend.

**Microservices based LMS** | [GitHub Link](#)

- Engineered a scalable Microservices-based LMS platform using Node.js, Express, TypeScript, Supabase, **Redis caching**, and an **API Gateway, JWT-based authentication**, and **independent deployment** with reliable inter-service communication.
- Implemented role-based dashboards in **Next.js** with course creation, lesson management, and secure video delivery via **WebRTC**, along with real-time chat/calls using **LiveKit, event-driven notifications** using **Kafka**, and payment workflows with **Razorpay**.

## Education

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**Greater Noida Institute of Technology (GGSIPTU)**

2021 – 2025

B.Tech in Computer Science

CGPA: 8.1/10

## Certificates and Achievements

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- Won **1st prize** in TechInertia Hackathon (2024)
- LangChain** Certification from DeepLearning.ai
- Full Stack generative and **Agentic AI** with python from Udemy