

Gaurav Kumar

📞 981-302-1917 ✉ hi.gaurav09@gmail.com [in linkedin.com/in/gaurav100](https://www.linkedin.com/in/gaurav100) github.com/hi-gaurav

Education

Maharishi Dayanand University

Bachelor of Technology in Information Technology

Experience

Altre Digital

Software Engineer

July 2024 – Present

Gurgaon, Haryana

- Built a **multi-agent AI chatbot** for commercial real estate using **LangChain** and **LangGraph** with **AWS Bedrock (Claude)** as the LLM backend, **RAG** powered by **Pinecone** for custom knowledge base ingestion, intent-based routing to multiple specialized agents, **real-time WebSocket streaming**, Redis caching, and role-based access control.
- Designed and developed an **AI-driven Business Location Advisory Tool** using **Python** and **OpenAI GPT** that boosted **lead-to-client conversion rates by 35%**, accelerated **site-analysis time by 50%**, and improved **site-selection ROI by 20%** through data-driven market scoring, **SQL-based geospatial queries**, and predictive analytics.
- Developed an **AI-enabled Lease Management Engine** leveraging **Claude (Anthropic)** for lease abstraction, key-date extraction, automated report generation, and summaries—reducing **manual review from 8 to under 2 hours** and **report generation from 2 hours to under 15 minutes**, with proactive alerts for renewal deadlines. Stored lease metadata in **MongoDB** and documents in **Amazon S3**.
- Reduced **space-planning cycle time by 20%** by developing an **Office Space Calculator** with a **Node.js/TypeScript** backend and **GraphQL** API, automatically generating square-footage estimates from headcount and utilization metrics.
- Developed a **Landlord Management Module** using **Redux** for state management, enabling property owners to update listings and asset details in real-time—reducing **information refresh turnaround by 80%**, boosting **landlord engagement by 50%** and accelerated deal closures. Deployed on **AWS EC2** with auto-scaling.

SportzWiki Media

Software Developer

August 2022 – July 2024

Gurgaon, Haryana

- Boosted application performance by 30% on a **Next.js** application through advanced optimization techniques like **Caching, code splitting and lazy loading** using **TypeScript/JavaScript**.
- Implemented **Google Indexing API** to facilitate instant crawling of the web app, leading to a 15% surge in website traffic.
- Created **dynamic sitemap** and **robots.txt** files, also implemented **structured data JSON-LD** in the app, resulting in a 20% increase in organic search engine visibility and improved **SEO**.
- Implemented live score functionality on the website using **Node.js** and **MongoDB**, resulting in a 40% increase in user engagement and providing real-time updates on sports events.

Projects

Nextjs App Hooks | TypeScript, Open Source | NPM

- * Developed and published **nextjs-app-hooks** as an open-source TypeScript library on NPM—providing a comprehensive suite of React hooks for Next.js that streamlines state management and component logic while ensuring **SSR and App Router compatibility**.
- * Implemented performance-optimized, **tree-shakable** modular hooks (environment detection, browser APIs, UI interactions) significantly reducing bundle sizes, with active community adoption and ongoing maintenance.

Technical Skills

Languages: TypeScript/JavaScript, Python

Technologies: Next.js, LangChain, LangGraph, AWS Bedrock, Pinecone, Node.js, GraphQL, Redux, SQL, MongoDB

AI Models: Claude (Anthropic), OpenAI GPT

Cloud & Infra: AWS EC2, Amazon S3

Concepts: RAG, Vector Embeddings, Semantic Search, Prompt Engineering, Compiler, Operating System, Virtual Memory, Cache Memory, Encryption, Decryption, API, Agile Methodology