Bhagirath Gupta

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Education

Galgotias University — **July 2020 – June 2024**
Bachelor of Technology in Computer Science and Engineering — *Greater Noida, Uttar Pradesh*

Experience

Ainable Labs — **May 2026 – August 2026**
Freelance Software Engineer — *Remote*

- Built a **Product Management module** with 45+ reusable React/TypeScript components for product CRUD, bulk import, and advanced search; integrated TanStack Table with **server-side sorting, filtering, and pagination** and LLM-powered search assistance.
- Shipped **Estimate Maker and Offer Maker** modules with dynamic PDF generation and interactive pricing workflows, delivering **2 revenue-impacting features**.
- Engineered a full-stack BOM and inventory module using **React.js, Next.js, Python, and FastAPI**, adding **LangChain and RAG** natural-language retrieval across 10K+ records.

AlongX Software — **April 2025 – February 2026**
Software Engineer — *Hyderabad (Remote)*

- Designed and built RESTful APIs and backend services using **Node.js, Express, and FastAPI** on **PostgreSQL, MongoDB, and Redis**, with automated testing and AI-assisted development to ship features faster.
- Built **authentication, payments, calendar scheduling, notifications, and profile management** flows, integrating LLM-powered features and driving a 25% increase in user engagement.
- Developed AI-powered backend workflows (Python, FastAPI, RAG, vector databases) and **Playwright, Selenium, and BeautifulSoup scraping pipelines** with async workflows and anti-bot handling, processing 100K+ records.
- Automated **CI/CD release pipelines** with GitHub Actions for Play Store, App Store, and Microsoft Store, reducing deployment cycles by 60%.

Krenno Labs — **July 2023 – December 2024**
Software Developer — *New Delhi (Remote)*

- Developed full-stack AI-powered applications using **React.js, Next.js, Python, FastAPI, and LangChain**, integrating **LLMs, RAG, vector databases**, and **REST APIs** for semantic search across 10K+ scraped documents.
- Built responsive web and mobile interfaces with **React.js, Next.js, Flutter, and Tailwind CSS**, improving performance and user experience by up to 60%; introduced **unit testing**, reusable components, and refactoring.

Technical Skills

Backend & Languages: Node.js, Express.js, FastAPI, RESTful APIs, JavaScript, TypeScript, Python, SQL, Dart, WebSockets
Web : React.js, Next.js, HTML5, CSS3, Tailwind CSS, TanStack Table, Responsive Design, Component Architecture, Flutter
Databases: PostgreSQL, MongoDB, Redis, Firebase, Supabase
DevOps, Testing & Tools: Docker, CI/CD, Git, GitHub, Postman, Unit Testing, Integration Testing, Agile/Scrum
AI & Data: LLMs, RAG, LangChain, LangGraph, Vector Databases, Playwright, Selenium

Projects

Moli | *Flutter, Python, LangChain, LangGraph* — **May 2025 - February 2026**

- Upgraded the Flutter application architecture using **GetX, WebSockets, and FCM**, integrating a stateful **LangGraph-based AI agent with Hybrid RAG (BM25 + dense embeddings + cross-encoder reranking)** to enable real-time contract analysis for 500+ users and improve service assignment speed by 45%.
- Integrated AI-powered legal document workflows with **Python, FastAPI, LangChain, and vector databases**, enabling contract/NDA ingestion, **clause extraction, risk-term detection, structured risk summaries, and page-level citations** alongside financial verification and payout workflows for 500+ court users.

Bold & Agyl Website | *Next.js, Tailwind CSS, GSAP* — **January 2025 – March 2025**

- Delivered a high-performance, **SEO-optimized website** using **Next.js SSR/SSG**, reducing page load time by **40%+** and achieving **90+ Lighthouse scores**.
- Improved frontend performance through **code splitting, lazy loading, and asset optimization**; implemented **schema markup, sitemap management, and analytics tracking** to improve discoverability and measurement.