Govind Raj Gupta

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Skills

Languages: HTML, CSS, C/C++, Java, Python, JavaScript, Solidity, TypeScript, SQL

Technologies & Tools: AWS, Redux, Zustand, Langchain, NextJS, TailwindCSS, MongoDB, Firebase, Postgre, Express, NodeJS, Angular, ReactJS, Docker ,Kubernetes,

Project Work

- **AI Agent – Intelligent LLM-Powered Assistant (Hackathon Project):** Built an AI-powered assistant capable of analyzing YouTube scripts, comments, and eBooks using JSONata.Implemented using Next.js, LangChain, TypeScript, Clerk (for authentication), and Convex DB (for storage).Integrated IBM Watson for NLP processing and LLMs (GPT, Claude, Mistral, Gemini) for intelligent responses.Features multi-modal AI interactions, including text generation, structured data retrieval, and personalized recommendations.
- **Health Monitoring System (IoT Project):** Developed an AI-integrated health monitoring system using Arduino Uno, Pulse Sensor, and ESP32.Built a real-time vitals dashboard with AI predictions for patient health monitoring.Optimized power consumption and wireless data transmission for IoT-based healthcare solutions.
- **ExploreAI – AI Trip Planner:** Built an AI-driven travel itinerary planner that personalizes trips based on user preferences. Used Next.js, JavaScript, and Gemini API for smart recommendations.Features real-time itinerary updates, budget estimation, and location-based suggestions.
- **CareVaultX – Patient Management System (Imagine Cup Project):** Designed a next-gen healthcare management platform to streamline patient records, automate workflows, and enhance doctor-patient interactions.Implemented using Next.js, appwriteDB,and JWT authentication for HIPAA-compliant security.
- **PrimeCraft – AI-Powered SaaS for Auto-Coding :** A cutting-edge SaaS platform leveraging Gemini Sandbox, Google Authentication, and AI-driven automation to streamline coding workflows. PrimeCraft enhances developer productivity with real-time code generation, debugging, and optimization features and using ConvexDB.

Work Experience

CETPA Infotech, NOIDA   Mar 2022 - May 2022

Reactjs Developer Intern

- Developed dynamic and responsive web applications using React.js, JavaScript, and Redux.
- Built reusable UI components and optimized front-end performance for enhanced user experience.
- Worked on real-world projects, implementing best practices in component-based architecture.
- Collaborated with senior developers to debug, test, and deploy applications efficiently.

AWS APAC   Oct 2024 - Nov 2024

Solutions Architecture virtual experience program

- Designed and simple and scalable hosting architecture based on Elastic Beanstalk for a client experiencing significant growth and slow response times.
- Described my proposed architecture in plain language ensuring my client understood how it works and how costs will be calculated for it.
- Java, Python, TypeScript, AWS

Education

Delhi Technical Campus   Oct 2022 - Sept 2026
B.E. in Computer Science and Engineering   *CGPA: 7.96/10(Till 3rd year)*
Relevant Coursework: Strong foundation in Object-Oriented Programming, Data Structures and Algorithms, Advanced DSA, Operating Systems, Computer Networks, Information Retrieval, Machine Learning, Data Mining, and Image Processing.

Awards and Certificates

- Deep Learning Specialization – Coursera
- FullStack developer - Udemy