Harsh Kumar Gupta

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Summary

Full Stack Developer with a focus on the MERN stack and AI integration. Experience building scalable web applications using Node.js, Next.js, and MongoDB. Actively engaged in open-source contributions, hackathons, and team leadership roles including Smart India Hackathon 2024. Currently building an LLM-powered website builder using OpenAI and Deepseek. Always exploring bleeding-edge tools and committed to delivering impactful solutions.

Projects

1. Purplenight

- Technologies: Node.js, Next.js, Appwrite, Gemini AI, Python (previous)
- Developed platform to convert PDFs into concise, blog-style summaries.
- Used Gemini AI to extract key paragraphs, trained on 1,500 blogs.
- Integrated AI-generated images for blog context.
- Built frontend in Next.js, backend in Node.js, migrated from Python.
- Utilized Appwrite for user management

2. AI Assistant Project

- Technologies: Node.js, Next.js, Appwrite, Gemini AI,
- Developed an AI-powered virtual assistant with the 90% of the efficiency using MERN stack, featuring natural language processing (NLP), task automation, and API integrations for calendars, Whatsapp message, and task managers.
- Designed a modern, responsive UI with voice input, text-to-speech (TTS), andcurrently compactable with Windows
- Built a scalable and secure backend with Node.js/Express, enabling modular expansion and real-time data fetching via web scraping and third-party APIs (GROQ API)

3. DEV_AI (Currently working)

- AI-Powered website builder
- Integrated LLM-powered AI (OpenAI/Gemini/Deepseek) to interpret requirements and produce clean, scalable React/Next.js + TypeScript code.
- Implemented a real-time preview system, allowing users to visualize and customize AI-generated websites before deployment.
- Designed a user-friendly dashboard with export options (GitHub, Vercel, Netlify) for seamless deployment.

Technical Skills
- Programming Languages: Java, C, JavaScript
- Web Development: HTML, CSS, React, Node.js, Express.js
- Databases: MySQL, MongoDB
- Frameworks & Tools: IntelliJ IDEA, VS Code, GitHub, Replit
- Currently Learning: Next.js, TypeScript

Extracurricular Activities
- Lead Volunteer, College Mega Fest 2024 Organized and managed the Coding & Debugging competition with 100+ participants
- Hackathon participation: Competed in 3+ intercollege hackathons
- Team Lead, **Smart India Hackathon 2024 (Govt. of India Initiative)**

Education
Presidency College(Autonomous)   Bengaluru, India
Bachelor of Computer Applications   **Jul 2024 – June 2027**
CGPA – 8.24