

# Vansh Sharma

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## PROFESSIONAL SUMMARY

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- BTech IT student at BPIT Delhi with hands-on experience building production-grade Gen AI systems, agentic pipelines, RAG applications, and multi-agent systems using LangChain, LangGraph, MCP, and Gemini.
- Proficient in React, Node.js, MongoDB, Python, JavaScript, Tailwind CSS, and EJS for building scalable web apps.
- Hands-on experience in multimodal AI learning platforms, real-time alert systems, and open-source contributions.
- Strong foundation in algorithms, data structures, software engineering, and collaborative problem-solving.

## EDUCATION

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### Bhagwan Parshuram Institute of Technology

Bachelor of Technology (BTech) in Information Technology — CGPA: 9.01

Rohini, Delhi

Aug. 2024 – Aug 2028

## EXPERIENCE

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### Contributor in Open Source Organization

June 2025 – Aug 2025

*kubestellar*

- Contributed to Kubestellar open-source platform by developing React components, improving UI responsiveness, and maintaining project documentation.
- Enhanced user experience and interface responses.
- Maintained documentation and contributed to UI/UX design of the website.

## PROJECTS

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### GitHub AI Agent

GitHub | Live

*Python, Google Gemini, MCP, Streamlit*

- Built an MCP-powered GitHub AI agent using Gemini that fetches repositories, issues, PRs, and profile data through natural language queries.

### Codebase RAG Chatbot

GitHub | Live

*Python, LangChain, ChromaDB, Gemini, Streamlit*

- Built a RAG-powered chatbot capable of indexing 500+ source files and enabling semantic retrieval using ChromaDB and Gemini.

### AI Travel Planner

GitHub | Live

*Python, LangGraph, Google Gemini, Streamlit*

- Built a multi-agent travel planning system using LangGraph with specialized agents for research, itinerary generation, budgeting, and final trip planning.

### AI Portfolio (AI Twin)

GitHub | Live

*Python, LangChain, ChromaDB, Gemini, Streamlit*

- Built a RAG-powered AI twin that answers recruiter questions about skills, projects, and experience using vector retrieval.

### EduMorph

GitHub | Live

*React, Node.js, MongoDB, Tailwind CSS*

- Developed a multimodal AI-powered learning platform using React, Node.js, MongoDB, and Tailwind CSS.

## TECHNICAL SKILLS

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- **Languages:** Python, C/C++, SQL (Postgres), MySQL, MongoDB, JavaScript, TypeScript, HTML/CSS
- **AI/ML:** LLMs, RAG, Agentic AI, Prompt Engineering, MCP (Model Context Protocol), Vector Embeddings, Tool Calling, LangChain, LangGraph
- **Frameworks:** React, Node.js, Express, JUnit, Tailwind, Bootstrap, EJS, FastAPI, Streamlit
- **Developer Tools:** Git, Github, Excel, VS Code, PyCharm, Figma, REST API, Docker
- **Libraries:** Pandas, NumPy, LangChain, Pydantic