

Himansh Bansal

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EDUCATION

VIT BHOPAL UNIVERSITY

Current CGPA: 8.19/10

Bhopal, Madhya Pradesh

Sep 2022 – Sep 2026

EXPERIENCE

IEEE Student Branch VIT Bhopal

Vice Chairperson

Bhopal, Madhya Pradesh

Sep 2023 – Mar 2025

- Led 50+ members to organize 10+ AI, IoT, and Web Development workshops, engaging 500+ participants at IEEE Student Branch VIT Bhopal.

PROJECTS

NidhiPath

AI-powered Fintech Solution

Bhopal, Madhya Pradesh

Nov 2024 – Feb 2025

- API Development** Designed and developed scalable and secure RESTful APIs for comprehensive loan processing, financial data management, and decision-making workflows.
- RAG-Based Chatbot Implementation** Engineered a sophisticated RAG chatbot that leverages document embedding and natural language understanding to deliver highly accurate, context-aware responses. Optimized latency and improved user interaction by combining Google's Gemini model with custom NLP pipelines.
- UI/UX Development** Created an intuitive and responsive user interface that enables seamless interaction with financial services and AI-powered chatbot features. Utilized modern frontend frameworks and Tailwind CSS to enhance user experience across multiple platforms.

WorkStrat

Team-Project-Management-Backend

Bhopal, Madhya Pradesh

Mar 2025 – Jun 2025

- Backend Architecture** Engineered a modular and scalable REST API architecture using Express.js and Node.js, enabling seamless CRUD operations across workspaces, projects, and task modules. Structured over 15+ endpoints with clear separation of concerns to support maintainability and microservice scalability.
- Performance Optimization** Reduced average API response time by 25% through efficient Mongoose queries and indexed database schema.
- Documentation & Testing** Published complete Postman API documentation and achieved 90% test coverage on critical routes.
- Robust Error Handling & Monitoring** Developed centralized error handling middleware and integrated request logging to enhance debugging and maintainability.

ACHIEVEMENTS

Aerothon'23

Drone Designing

Global Academy of Technology, Bangalore

Mar 2023 – Jun 2023

- Designed a stable drone with an automated drop mechanism and secured 32nd rank among 100+ teams at Aerothon'23, GAT Bangalore.

Techathon 5.0

EY Hiring Hackathon

Online

Dec 2024 – Feb 2025

- Semi-Finalist (top 1%) in EY Techathon 5.0 for developing an AI-powered financial ecosystem app with smart automation.

SKILLS & INTERESTS

Skills: MongoDB, Express.js, Node.js, React.js, HTML, CSS, Javascript, Tailwind CSS, SQLite, Postgre SQL, C++, Python, Django, Autodesk Fusion360, Machine Learning, Deep Learning, Computer Vision, TensorFlow, Keras, OpenCV, PyTorch.

Interests: Community Building & Networking , Gaming, Hackathons