

# SHAMBHU KUMAR

PATNA, BIHAR

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## Summary

Versatile ML Engineer with frontend and full-stack expertise, seeking to contribute impactful, scalable AI-driven and user-centric web solutions within dynamic tech environments.

## Education

**Katihar Engineering College, Katihar**

11/2022 – 05/2026

*B.tech CSE - CGPA - 7.19*

*Katihar, Bihar*

**SSD High School, Patna**

04/2019 – 03/2021

*Higher Secondary Education - Per - 76*

*Patna, Bihar*

## Technical Skills

**Languages:** JavaScript (ES6+), Python, C/C++, MySQL, HTML/CSS

**Databases:** MongoDB, MySQL

**Frameworks:** ReactJS, Node.js, Express.js, TailwindCSS

**Machine Learning AI:** LangChain, LangGraph, RLHF, Scikit-learn, TensorFlow; model deployment with Streamlit and FastAPI

**Developer Tools:** Git, GitHub, VS Code, Jupyter

## Projects

**Xemini Live Demo** 🔗 | React + Vite

06/ 25

- Built a Gemini-style AI chatbot with real-time API integration and a responsive UI.

Deployed using modern frontend stack with smooth user experience.

**Web Application Projects** 🔗 | React.js, Node.js, JavaScript

2024

- Built multiple responsive web applications, Integrated third party APIs, UI libraries and services in overall web development. Utilized AI tools to accelerate development and improve overall productivity.

## Experience

**Soul AI** 🔗

Jan 2025 – Jul 2025

*Freelance AI Trainer – RLHF*

*Katihar, Bihar*

- \* Improved large language models through RLHF, enhancing contextual accuracy and response quality.
- Contributed to fine-tuning and evaluation of AI models, boosting performance for real-world applications.

**YBI Foundation** 🔗

Jan 2024 – Feb 2024

*Data Science Intern*

*Katihar, Bihar*

- \* Conducted data analysis, predictive modeling, and algorithm development.
- Implemented ML models to extract insights, optimize workflows, and support data-driven decision-making.

## Achievements

**1st Position:** Startup Ideathon (NEXUS 2025, GEC Samastipur), RoboRace (TechFusion 2025, KEC Katihar)

**2nd Position:** Hackathon (TechFusion 2024 and 2025), RoboWar (TechFusion 2025), SPARK Pitching (KEC Startup Cell 2025)

**3rd Position:** RoboRace, Line Following, Bot-A-Maze, Hurdle Mania (TechFusion 2025), Hurdle Hustle (NEXUS 2025)

## Extracurricular

- **TechFusion Coordinator (2024 and 2025)**

Led the strategic planning and execution of TechFusion, the annual college Techfest, by managing cross-functional teams and overseeing event operations.

- Secured sponsorships, coordinated logistics, and directed promotional campaigns and guest engagement to deliver a high-impact, well-organized festival.