

Jishnu Khargharia

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EXPERIENCE

Technical Workshop Mentor

Dec 2023 - Present

Student Instructor

SIT, Tumkur

- Founded and led a team to mentor juniors, fostering a tech-driven learning community.
- Designed structured learning paths and hands-on projects in Full Stack Development, DevOps, and Competitive Programming to bridge the gap between theory and application.
- Conducted interactive workshops and coding sessions, enhancing problem-solving and development skills.

Robocor

May 2025

Event Coordinator – LFR Competition

SIT, Tumkur

- Led the organization of the Line Follower Robot (LFR) competition under CORSIT Club, managing event logistics, participant coordination, and technical setup.

PROJECTS

Zenkai | AI-Powered Code Generation Platform

 Source Code

- Tech Stack : Next.js 15, TypeScript, NeonDB, Prisma, Clerk, Inngest, OpenAI, Tailwind CSS
- Built an AI development environment that converts natural language prompts into complete web applications.
- Real-time sandbox preview with custom iframe-based execution for safe code testing.
- Enterprise features with user authentication, subscription billing, and background job processing.
- Advanced code editor with syntax highlighting, file tree navigation, and project management.

TransCodeX | Privacy-Focused Media Converter

 Source Code

- Tech Stack: React, Vite, Tailwind CSS, Node.js, Express, FFmpeg
- Built a browser-based media converter for audio and video with secure, fully local file processing.
- Supports all major audio/video formats including MP3, MP4, FLAC, MKV, and more.
- Designed a modern, responsive UI with drag-and-drop support and light/dark mode.
- No upload limits—users can convert files of any size without privacy risks.

FinTalk | AI-Powered Multilingual Loan Assistant

 Source Code

- Tech Stack : Python, Streamlit, Lang Chain, Gemini API
- Developed an AI-powered chatbot that helps users with loan inquiries in multiple languages.
- Eligibility checker that provides personalized loan recommendations.
- Secure authentication ensures user data privacy and protection.

Corsit Website | FullStack Webiste

 Source Code

- Tech Stack : React, Node.js, Express, MongoDB, Sarvam AI, Framer Motion
- Developed a full-stack website to manage club activities, events, and memberships.
- Implemented authentication, dynamic content management, and responsive UI.
- Integrated backend services for data storage and user interactions.

TECHNICAL SKILLS

Languages: C++, C, Python, JavaScript, TypeScript

Frameworks: React.js, Next.js, Node.js, Express, Tailwind CSS, Streamlit, React Native, Astra

Developer Tools: Docker, Git, Github, Bash, Linux, CI/CD, Postman

Databases: MongoDB, PostgreSQL, Prisma

EDUCATION

Siddaganga Institute Of Technology

Karnataka, India

Bachelor of Engineering - CSE(AIML)

Aug 2023 - Present

Maharishi Vidya Mandir Senior Secondary School

Assam, India

Higher Secondary

May 2020 - May 2022