VISHAL KUMAR

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CAREER OBJECTIVE

Passionate full stack developer with a problem-solving mindset, thriving on innovation and impactful open-source contributions.

EDUCATION

Institute of Engineering and Management   Kolkata, India
Bachelor of Technology in Computer Science and Engineering   *August 2022 – Present*

EXPERIENCE

MLH Hackbyte 2.0   IIIT Jabalpur
Hackathon Winner - Godspeed Track   *September 2023*
- Developed a model that translates sign language to readable text and vice versa in real time during video calls using OpenCV and machine learning models.

Smart India Hackathon 2024   Ahmedabad, India
Finalists in SIH'24 under ISRO   *December 2024*
- Developed an AI-based frame interpolation system that generates smooth videos from satellite imagery using WMS services, enabling real-time visualization on OpenLayers maps for dynamic object tracking

Animata
Animation and Interaction Library | **Live Demo** | **GitHub**   October 2024 - November 2024
- Contributed to Animata, a library that brings sites to life with easy-to-use animation and interaction code, allowing users to copy, paste, and animate.
- Developed hand-crafted interaction animations and effects from various sources, facilitating seamless integration into projects.

PROJECTS

Write Flow
Full Stack Blogging App | **Live Demo** | **GitHub**   July 2024 - September 2024
- Write Flow is a dynamic social platform where users can connect, share, and manage their writing. Featuring secure authentication, friend requests, and an interactive dashboard with visual analytics, it enables seamless content creation and discovery through tag, title, and description search.

Devcord
Developer-focused collaboration platform | **GitHub**   October 2024 - Present
- A developer-centric chat application enabling seamless project management, collaborative coding, code reviews, task distribution, and real-time communication, designed to enhance productivity and streamline team workflows effectively.

Starter Kit
Web Application Foundation | **GitHub**   October 2024 - Present
- Built a starter kit project using Next.js 15, incorporating OAuth for authentication, file storage, Nodemailer for email services, Razorpay for payment processing, and PostHog for analytics to simplify project initialization.

Portfolio Website
Personal Portfolio | **Live Demo** | **GitHub**   September 2024 - October 2024
- Developed a portfolio website featuring Discord integration using Lanyard for real-time status and GitHub API integration via Egoist API to showcase projects and contributions dynamically.

SKILLS SUMMARY

Programming Languages: JavaScript, TypeScript, Go, SQL, NoSQL
Frontend Development: Next.js, React, Redux, Zustand, Tauri
Backend Development: Node.js, Golang, Redis, Kafka, RESTful APIs, Socket.io
Cloud & DevOps: Docker, Kubernetes, Serverless Architecture, CI/CD Pipelines
Testing & Debugging: Unit Testing, API Testing, Troubleshooting