

KRISHANU MISHRA

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Profile Summary

Aspiring Software Developer with hands-on experience building full-stack applications using the MERN stack, FastAPI, and Python. Skilled in developing scalable web applications, engineering multi-agent AI systems, and building developer tooling. Strong foundation in Data Structures & Algorithms, Object-Oriented Programming, and database design, with a proven track record of community leadership and technical mentorship.

Technical Skills

- Languages:** C++, Java, Python, JavaScript, TypeScript, HTML/CSS
- Frameworks & Libraries:** React.js, Node.js, Express.js, FastAPI, Flask, Framer Motion, Webpack
- Databases & Cloud:** MongoDB, MySQL, REST APIs, JSON Web Tokens (JWT), Role-Based Access Control (RBAC)
- AI & Generative AI:** Large Language Models (LLMs), LLaMA, Prompt Engineering, Multi-Agent Systems, OpenAI APIs
- Tools & Developer Workflow:** Git, GitHub, VS Code Extension API, Command Line, Vercel, Render

Experience

Technical Member – DevHive Community *Jul 2025 – Present*
Mohali, India

- **Led the end-to-end design and development** of the official community website, building responsive user interfaces and optimizing performance for 500+ active developer members.
- **Managed frontend-backend integration** and implemented core features, maintaining clean, scalable application architecture and coding standards to improve maintainability.
- **Organized competitive programming contests**, coordinating problem setting, test case verification, platform configuration, and automated evaluation workflows.
- **Mentored 20+ peers** in web development and algorithmic problem-solving, accelerating onboarding and resolving complex implementation challenges.

Management Lead – Google Developer Group (GDG) Cloud Chandigarh *Aug 2025 – Present*
Chandigarh, India

- **Coordinated and executed large-scale technical events**, workshops, and meetups, driving developer engagement and community growth.
- **Managed speaker relations and logistical workflows**, collaborating with industry experts and organizing committees to deliver seamless hybrid and in-person developer events.
- **Spearheaded digital marketing and outreach campaigns**, significantly expanding the community's student and professional network across the region.

Projects

AutoForge AI – Multi-Agent AutoML Platform *GitHub Link*
React.js, FastAPI, Python, Scikit-Learn, Pandas, NumPy, Framer Motion

- **Architected a 5-agent sequential pipeline** (Dataset, Task, Model, Training, Evaluation) using FastAPI to automate raw CSV cleaning, missing-value imputation, and parallel model training.
- **Engineered a real-time reactive dashboard** in React 19 and Framer Motion, featuring a dynamic terminal-style log console and an interactive leaderboard showcasing the winning model.
- **Built automated MLOps microservices** that instantly generate production-ready FastAPI microservices and copy-pasteable Python inference scripts for the optimized model.

FavGen – VS Code Favicon Generator Extension *GitHub Link*
TypeScript, VS Code Extension API, Webpack, HTML, CSS, Lucide Icons

- **Developed a production-grade, 100% offline VS Code extension** to generate high-quality favicon packages from images, text, emojis, or SVG icons.
- **Built an interactive webview UI** providing real-time sub-millisecond previews and responsive device mockups (iOS home screen, browser tab) for immediate visual feedback.
- **Integrated intelligent workspace-aware path detection** to automatically scan project structures, identify frontend frameworks (React, Next.js, Vite), and target the correct assets folder.

Aarogya – AI-Powered Digital Healthcare Platform
React.js, Node.js, Express.js, MongoDB, LLaMA, JWT, RBAC

- **Architected a full-stack healthcare portal** featuring role-based dashboards for patients, doctors, and administrators to streamline clinical scheduling and record-keeping.

- **Integrated an AI symptom assistant** using LLaMA to deliver preliminary health insights and connect patients with intelligent, specialty-based doctor recommendations.
- **Designed and implemented an Emergency QR Access System** allowing secure, instant retrieval of critical patient medical history by first responders during emergencies.

AntarMan AI – Dynamic Personality Simulation Platform

MERN Stack, Large Language Models (LLMs), Prompt Engineering, REST APIs

- **Built a conversational platform** simulating diverse human personalities through adaptive behavioral modeling, trait-based frameworks, and real-time prompt engineering.
- **Engineered trait-based personality matrices** that dynamically modify conversation patterns, decision-making styles, and emotional responses.
- **Developed stateful backend services** in Node.js and Express.js to manage user sessions, personality configurations, and conversation histories.

Education

CGC University

Bachelor of Technology (B.Tech) – Computer Science Engineering

CGPA: 9.17 (up to 3rd Semester)

Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Operating Systems, Computer Networks, Object-Oriented Programming

Aug 2024 – Present

Mohali, Punjab, India