



Uddipta Singha

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LinkedIn — GitHub — Portfolio — LeetCode

EDUCATION

Kalinga Institute of Industrial Technology, B.Tech in Computer Science
CGPA: 8.63

2022 – 2026

EXPERIENCE

Keptoy API Fellowship Program

Mar 2025 – Present

- Selected among top applicants for an exclusive fellowship focused on API testing, mocking, and automation.
- Built and tested full-stack apps with end-to-end test generation, achieving 90%+ code coverage.
- Contributed to open-source API tooling, enhancing integration reliability across multiple workflows.
- Practiced API-first development, reducing testing time by 40% through automated mocks and debug logs.

Google Cloud Arcade Facilitator Program (Cohort 1)

Apr 2025 – Present

- Completed the **Ultimate Milestone** and became eligible for the prestigious **Champions Tier**.
- Earned skill badges on Google Cloud Skills Boost platform by completing 50+ hands-on labs across 4 learning paths.
- Improved team engagement through guided walkthroughs, enhancing GCP adoption in student communities.

PROJECTS

PingChat: Real-Time Messaging App — MERN, Socket.io, Cloudinary, JWT, Redux Toolkit
Source Code

Jun 2025

- Developed a full-stack real-time 1:1 chat platform using MERN, enabling secure, fast communication for 100+ users.
- Integrated Socket.io to support live typing indicators, user online/offline status, and instant message delivery.
- Enabled secure image sharing with Cloudinary and implemented JWT authentication for protected routes.
- Designed a responsive and mobile-friendly UI using Tailwind CSS and Redux Toolkit, improving performance by 35%.

Zarvis: Voice-Controlled AI Assistant — React.js, Node.js, Web Speech API, Google Gemini API
Source Code — Live Demo

May 2025

- Built a full-stack voice assistant with multimodal input using Gemini AI and Web Speech API, supporting 15+ voice tasks.
- Enabled real-time interaction for time/date queries, jokes, and app navigation via browser voice control.
- Developed animated conversational UI with React, Tailwind, and Framer Motion, increasing user interaction by 40%.

Nutrinova: AI Health Nutrition Assistant — Python, Streamlit, Gemini AI, Nutritionix API
Source Code — Live Demo

Apr 2025

- Created an AI-powered wellness assistant used by 100+ users to analyze food intake and improve diet quality.
- Integrated Nutritionix API for real-time food tracking and BMI-based suggestions across 1,000+ food items.
- Automated generation of personalized meal and workout plans, resulting in a 30% increase in user retention.

SKILLS

Languages: C, C++, Java, Python

Web: HTML, CSS, JavaScript, Tailwind, Bootstrap, React.js, Node.js, Express.js

Database: SQL (MySQL), MongoDB

Libraries: NumPy, Pandas, Matplotlib, Scikit-learn, Streamlit

Cloud Technologies: GCP, AWS

Tools: Git, VS Code, Ubuntu, Windows

Soft Skills: Problem Solving, Team Collaboration, Communication, Time Management, Leadership, Critical Thinking

ACHIEVEMENTS

- Solved 300+ DSA problems across LeetCode and other platforms.
- Finalist in multiple college hackathons and tech fests.

INVOLVEMENT

Technical Member – IoT Lab

Mar 2023 – Jul 2024

- Contributed to internal tools and websites.
- Co-organized hackathons and workshops with 20+ team members.