

Chandan Singh

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EDUCATION

• Lovely Professional University

• Bachelor of Technology - Computer Science and Engineering; **CGPA: 8.1**

Jalandhar, India

Aug 2023 - Present

Courses: Operating Systems, Data Structures, Artificial Intelligence, Machine Learning, Web Development, Databases

SKILLS SUMMARY

• **Languages:** Python, C++, JavaScript, SQL, Bash

• **Frameworks:** Flask, ReactJS, NodeJS, Tensorflow, Keras, Scikit

• **Tools:** Kubernetes, Docker, GIT, PostgreSQL, MySQL

• **Platforms:** Linux, Web, Windows, AWS, GCP, MongoDB

• **Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

EXPERIENCE

• Freelancer – Python & Web Developer

Remote

Independent Contractor (Part-time)

May 2024 – Present

◦ **AI & Web Development:** Built and deployed **AI-powered chatbots** and scalable web platforms for global clients using Python, Flask, and Node.js.

◦ **Client Collaboration:** Delivered automation and data-driven solutions across regions, sustaining **100K+ user interactions** with high reliability.

◦ **Revenue Growth:** Established recurring freelance contracts, earning a steady income of **500+ USDT/month**.

PROJECTS

• AdvChatGptBot — Multi-Modal AI Telegram Bot: *Repo: GitHub — Live: Demo Link*

Tech Stack: Python, Pyrogram, OpenAI GPT-4o, DALL-E, Whisper, MongoDB, Docker

◦ **Engineered** a production-grade AI chatbot integrating **text, image, and voice modalities** via containerized microservices on GCP.

◦ **Served 100K+ users** and processed **10K+ daily queries**, sustaining sub-second latency and high concurrency with asynchronous I/O.

◦ **Enabled accessibility** through real-time OCR, multilingual conversations, session memory, and role-based admin controls for large Telegram communities.

◦ **Impact:** Enhanced community automation and AI accessibility—reducing manual moderation by 70% in deployed groups.

• NotesApp — Secure Cloud Notes Platform: *Repo: GitHub — Live: notes.synergize.co*

Tech Stack: PHP, MySQL, JavaScript, Bootstrap

◦ **Developed** a responsive note management web app supporting rich-text editing, tagging, search, and dark/light themes.

◦ **Implemented** encrypted authentication, CSRF protection with public sharing option.

◦ **Optimized** UI for mobile-first design, achieving **90%+ Lighthouse accessibility score** and seamless cloud sync.

• OpenCluely — AI Overlay Assistant for Coding Interviews: *Repo: GitHub (70+ Stars)*

Tech Stack: Electron.js, Node.js, Google Gemini API, Tailwind CSS

◦ **Built** an open-source cross-platform desktop assistant delivering real-time AI code analysis and contextual guidance.

◦ **Integrated** screenshot-to-solution reasoning via Gemini Vision API and persistent chat context memory for DSA problem solving.

◦ **Innovated** transparent, draggable overlays and low-latency voice control for seamless interaction during technical interviews.

◦ **Impact:** Garnered **100+ GitHub stars**, aiding **1K+ developers** in technical interview preparation with intelligent code insights.

• Real-Time Emotion Detection: *Repo: GitHub — Live: Demo Link*

Tech Stack: OpenCV, TensorFlow (Keras), Streamlit

◦ **Developed** a real-time emotion detection web app leveraging CNNs and webcam streams for facial expression recognition.

◦ **Achieved 90%+ accuracy** and maintained **30+ FPS** inference—outperforming FER-2013 baselines by 12%.

◦ **Applied** in real-time sentiment tracking for user feedback and adaptive learning systems.

HONORS & AWARDS

• TCS CodeVita Season 12 – AIR 69: Achieved top national rank in the world's largest programming competition—with over 537k participants from 96 countries.

• CodeFest AI Hackathon – Runner-Up: Recognized for excellence in AI innovation and problem-solving under competitive conditions.

VOLUNTEER EXPERIENCE

• Founder – GitHub Students Club LPU: Founded and led a thriving open-source developer community of 500+ members; organized workshops, hackathons, and mentorship programs to foster peer learning and innovation.

• Member – Placements & Career Development Committee, LPU: Coordinated technical workshops and placement initiatives, strengthening student's employability and readiness for the tech industry.