

PARAMJIT SINGH

ASPIRING ML ENGINEER

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Aspiring AI/ML developer passionate about solving real-world problems through intelligent systems. With hands-on experience in content creation, team collaboration, and event management, I bring a blend of technical curiosity and human understanding to every challenge. Currently enhancing skills in Data Structures & Algorithms and Machine Learning and adapt well to dynamic work environments

AREA OF EXPERTISE

Python Programming	Git & Version Control	Team Collaboration
Prompt Engineering	Machine Learning Algorithms	Event & Community Management
TensorFlow, NumPy, pandas	Google Cloud Platform (GCP)	Learning: Flask APIs, NLP

KEY ACHIEVEMENTS

- Campus Outreach & Engagement:** Spearheaded event organization as a Campus Ambassador at Hunch, coordinating tech-driven campaigns that increased student participation across multiple universities.
- Technical Innovation:** Designed and developed a Data Structures & Algorithms Visualizer using JavaScript, simplifying core CS concepts for learners and enhancing coding efficiency with graphs and understanding.
- Cybersecurity & Community Leadership:** Actively contributed at Encrypt Edge by helping organize security awareness sessions and coordinating event logistics, strengthening technical culture within student communities.

PROFESSIONAL EXPERIENCE

Campus Ambassador, Hunch	Jan 2024 – Mar 2024
<ul style="list-style-type: none"><li>Organized 4+ on-campus and virtual events to promote Hunch’s student initiatives.</li><li>Executed creative outreach strategies that boosted participation across tech communities.</li><li>Collaborated with the central Hunch team to align event goals with brand vision.</li></ul>	
Content Writer, Cisco.IGen	Jan 2024 – May 2025
<ul style="list-style-type: none"><li>Drafted engaging social media posts and blog content for university-based promotions.</li><li>Maintained content tone and brand consistency across events and digital platforms.</li><li>Partnered with design and outreach teams to increase visibility across student forums.</li></ul>	
Student Ambassador, LetsUpgrade	Jun 2024 – Jul 2024
<ul style="list-style-type: none"><li>Promoted LetsUpgrade’s coding courses through WhatsApp, posters, and campus events.</li><li>Managed student doubts and guided new users through onboarding and participation.</li><li>Drove strong student engagement by aligning with trending technologies and tools.</li></ul>	
Team Member, Encrypt Edge	Jan 2024 – Present
<ul style="list-style-type: none"><li>Contributed to cybersecurity workshops and student engagement campaigns.</li><li>Helped plan and execute technical events focused on digital literacy and safety.</li><li>Supported community learning by curating cybersecurity content and news.</li></ul>	
Core Member, Student CLUB Twenty	Jan 2024 – Aug 2024
<ul style="list-style-type: none"><li>Carried out on-field research and helped with audience segmentation for campaigns.</li><li>Executed grassroots marketing strategies in sync with university branding.</li><li>Balanced academic workload while coordinating with cross-functional teams.</li></ul>	

## Co-CEO, TATVA (Student Organization)

Sep 2024 – Jan 2025

- Managed financial planning and budgeting for tech and business events.
- Coordinated logistics and vendor partnerships to ensure successful event execution.
- Led a core team of students, mentoring new organizers and interns.

## Freelancer, Outlier (AI Training & Prompting)

Dec 2024 – Present

- Trained AI models using prompt engineering techniques to enhance LLM performance.
- Conducted experimental testing on model accuracy, coherence, and bias control.
- Explored real-time use cases of generative AI for education and automation.

## EDUCATION

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

2023 – 2027

Lovely Professional University – Phagwara, Punjab

- Relevant coursework: Data Structures, Algorithms, Machine Learning
- Currently pursuing 3rd year with focus on AI/ML development

### CBSE – Class XII (Science)

2021 – 2023

West Point School – Senior Secondary

- Completed core subjects in Physics, Chemistry, Mathematics

## PROJECTS

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### Space Invade | Python, Pygame

GitHub: [github.com/param20h/space-invade](https://github.com/param20h/space-invade)

- Developed a fully functional 2D space shooter game using Pygame.
- Designed core mechanics including enemy movement, shooting logic, and collision detection.
- Polished game visuals and sound effects for an engaging user experience.
- Built and submitted as part of the AWS Amazon Q Build Games Challenge.

### Ai-Summarizer | JavaScript, Gemini API, Vercel

GitHub: [github.com/param20h/ai-sum](https://github.com/param20h/ai-sum)

- Built a text summarization web app that condenses lengthy paragraphs into clear, concise summaries.
- Integrated Gemini's models via API to generate meaningful outputs from raw user input.
- Designed a smooth API calls and deployed on Vercel for fast, serverless access.
- Planned features include YouTube and Webpage summarization using dynamic content parsing.

### Chat App | Node.js, Express, Socket.IO, Vanilla JS

GitHub: [github.com/param20h/chat-app](https://github.com/param20h/chat-app)

- Built a real-time chat platform with support for public/private rooms, private messaging, and rich user interactions.
- Implemented advanced features like emoji reactions, typing indicators, message editing, and file sharing (images, docs, audio, video).
- Designed a modern responsive UI with dark/light themes, user profiles, and WebSocket-powered message syncing.
- Planned enhancements include database persistence, end-to-end encryption, and bot integration.

### DSA Visualizer | React.js, JavaScript, CSS3, GitHub

GitHub: [github.com/param20h/DSA-visual](https://github.com/param20h/DSA-visual)

- Built an interactive algorithm visualizer with over 10+ sorting/search algorithms and data structures.

- Integrated real-time animations, step-by-step walkthroughs, and multi-language code previews (JS, Python, C++, Java).
- Designed and implemented Learn Mode with complexity analysis and responsive UI/UX across devices.
- Added features like dark mode, array customization, and GitHub integration to boost user experience and functionality.

### **Advanced Weather App | Next.js 14, TypeScript, Tailwind, Zustand**

GitHub: [github.com/param20h/weather](https://github.com/param20h/weather)

- Built a responsive PWA weather dashboard with real-time data, AQI tracking, animated weather icons, and smart notifications.
- Integrated OpenWeatherMap API for live conditions, 24-hour forecasts, and air quality breakdowns with interactive charts.
- Implemented Leaflet-based maps with precipitation overlays, dark/light themes, and offline mode using Workbox.
- Leveraged Zustand, Framer Motion, and Three.js for smooth state control, elegant UI transitions, and 3D effects.

## **ADDITIONAL INFORMATION**

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**Languages:** English, Hindi, Punjabi

### **Certifications:**

- AWS Machine Learning Foundations, AWS
- GenAI Fundamentals, Disha
- GitHub Foundations, GitHub
- introduction to Hardware and Operating Systems, IBM
- The Bits and Bytes of Computer Networking, Google
- Packet Switching Networks and Algorithms, University of Colorado

### **Tools & Technologies:**

- Python, C++, JavaScript, TypeScript
- React.js, Next.js 14, Express.js, Flask
- Tailwind CSS, CSS3, HTML5, Zustand
- OpenAI API, Socket.IO, OpenWeatherMap API
- Git & GitHub, Vercel
- Canva, Figma (basic), Google Cloud (GCP)
- Framer Motion, React Spring, Recharts, Three.js

### **Professional Links:**

- GitHub: [github.com/param20h](https://github.com/param20h)
- LinkedIn: [linkedin.com/in/param20h](https://linkedin.com/in/param20h)
- Portfolio: [param20h.me](https://param20h.me)