

PARAMJIT SINGH

ASPIRING ML ENGINEER

Jalandhar, Punjab | paramjit.official34@gmail.com | param20h.me

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

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**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**Space Invade | Python, Pygame**GitHub: 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, VercelGitHub: 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 JSGitHub: 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, GitHubGitHub: 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

- 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

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
- LinkedIn: linkedin.com/in/param20h
- Portfolio: param20h.me