

Vansh Gujral

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SKILLS

- **Languages:** Python, C++, Java, JavaScript
- **Frameworks:** Django, Django REST Framework, Python Libraries
- **Tools/Platforms:** MySQL, PostgreSQL, Postman, Docker, Unity, UiPath, Automation Anywhere
- **Soft Skills:** Problem-Solver, Team Player, Multi-tasker, Critical-Thinker

PROJECTS

- **PalmPay - AI-Based Contactless Palm Payment System:** Jan-2026
 - 1. Engineered a contactless biometric payment solution leveraging palm vein and palm print analysis to enable secure transactions without reliance on cards or smartphones.
 - 2. Built a real-time computer vision workflow for palm image acquisition, feature encoding, user registration, and identity validation with minimal response delay.
 - 3. Deployed encrypted transaction authorization mechanisms and wallet integration, emphasizing security, fraud resistance, system scalability, and deployment readiness.**Tech:** Python, OpenCV, Deep Learning (CNN), Computer Vision
- **CareerSage - One-Stop Personalized Career Advisor:** Oct-2025
 - 1. Designed an intelligent career guidance platform delivering customized education and profession pathways for students and working professionals.
 - 2. Implemented scalable server-side logic to generate recommendations from structured datasets comprising 100+ career roles, 500+ learning resources, and 50+ progression tracks.
 - 3. Developed RESTful services using Django to connect frontend and backend systems, incorporating JWT-based authentication to safeguard sensitive user information.**Tech:** Python, Django, REST Framework
- **SolarECO - Solar Panel Efficiency & Recommendation System:** April-2025
 - 1. Created a machine-learning-driven web application to estimate solar panel performance and suggest optimal configurations aligned with user financial constraints.
 - 2. Developed automated modules for installer selection and government subsidy guidance using dynamic, real-time datasets to promote renewable energy adoption.
 - 3. Deployed a predictive regression pipeline through a Flask backend, achieving accuracy exceeding **92%** after extensive model tuning and feature optimization.**Tech:** Python, Scikit-learn, Pandas, NumPy, Matplotlib

CERTIFICATES

- Essentials Automation Professional – Automation Anywhere Nov-2025
- Machine Learning Using Python – SimpliLearn Nov-2025
- Privacy and Security in Online Social Media – NPTEL Oct-2025
- Game Development Mastery – Cipher Schools July-2025
- Introduction to Data Science – Cisco Networking Academy June-2025

ACCOMPLISHMENT

- **LPU's Innotek Project Expo:** April 2025
 - Was selected to represent the School of Computer Science and Engineering at LPU's Innotek Project Expo showcasing our project among top innovations.
- **HackWithVertos 1.0:** Febuary 2024
 - Secured Top 10 position among participants from School of Computer Science and Engineering

EXTRA-CURRICULAR INTERESTS:

- **Club ELECTRA : Founder and CEO** Punjab, India
 - Founded and led an Esports event organizing club*
- **Chahat Charitable Trust : Volunteer** Kashipur, Uttarakhand
 - Mentored underprivileged children and promoted girls' education through NGO-led initiative*

EDUCATION

- **Lovely Professional University** Punjab, India
 - Bachelor of Technology - Computer Science and Engineering; CGPA: 8.32*
 - Since August 2023*
- **Shri Guru Nanak Sr. Sec. School** Kashipur, Uttarakhand
 - Intermediate; Percentage: 88.8%*
 - April 2022 - March 2023*
- **Shri Guru Nanak Sr. Sec. School** Kashipur, Uttarakhand
 - Matriculation; Percentage: 78%*
 - April 2020 - March 2021*