

# 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:** February 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* January 2024
- **Chahat Charitable Trust : Volunteer** Kashipur, Uttarakhand  
*Mentored underprivileged children and promoted girls' education through NGO-led initiative* June 2024 – July 2024

## 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