

Ekdeep Singh Gill

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Education

Guru Nanak Dev Engineering College, Ludhiana, Punjab

Bachelor of Technology in Information Technology

CGPA – 7.5

July 2022 – July 2026

Relevant Coursework

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| – Data Structures | – DBMS |
| – Web Development | – Operating System |
| – Machine Learning | – Software Design and Testing |
| – Algorithm Analysis | – DevOps |
| – Python Programming | – Project Management |

Projects

NewsShield – Fake News Detection Web App

March 2025

Technologies: Flask, Tailwind CSS, Python, Scikit-Learn

- Designed and developed a real-time fake news detection system.
- Developed a machine learning model to check the authenticity of news article based on local dataset.
- Added SERP integration to fetch live news from search results and analyze them dynamically.
- Achieved over 90% accuracy on benchmark datasets.

KhetAI – AI-Based Crop Disease Detection Platform

June 2025

Technologies: React, FastAPI, MongoDB, Tailwind CSS, Kindwise API

- Built a full-stack platform that detects crop diseases from images and offers treatment suggestions.
- Integrated Kindwise API for real-time diagnosis and curated advisory for 20+ Indian crops.
- Developed a responsive dashboard with JWT-based user authentication and diagnosis history tracking.
- Enhanced user experience with a responsive UI and intuitive design for both desktop and mobile platforms.

Technical Skills

- **Languages:** HTML, CSS, JavaScript, Python
- **Frameworks & Libraries:** React.js, Flask, Tailwind CSS, Scikit-Learn
- **Databases:** MongoDB (NoSQL), MySQL (SQL)
- **Tools:** AWS, Docker, Git, GitHub, Jenkins, Render, Vercel, Postman
- **Design & UI/UX:** Figma, Canva, Responsive Web Design
- **Other:** Machine Learning, Model Deployment, REST APIs

Certifications

- **Python Foundation Certification** – Infosys Springboard
- **Angular and React Web Developer Certification** – Infosys Springboard
- **Artificial Intelligence Certification** – Infosys Springboard
- **Agentic AI With Python** – Auribises Technologies