

Nitin Yadav

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Summary

CS undergraduate and builder with a strong focus on developing AI-integrated applications and robust backend systems. Passionate about leveraging LLMs, machine learning frameworks, and Python to automate workflows and solve complex real-world problems.

Education

B.Tech in Computer Science, Galgotias University CGPA: 7.9	Oct 23 – June 27
Dr Kiran Saujiya Sr. Sec. Edu. Academy, Class XII Percentage: 75.4	May 2023
Akanksha Global Academy, Class X Percentage: 84.83	August 2021

Skills

AI & Machine Learning: Google Gemini API, LLM Integration, Data Analysis

Languages: Python, JavaScript

Backend & Databases: Flask, Node.js, SQLite, SQL

Frontend: React, React Native (Expo), HTML, CSS, Bootstrap

Tools & Practices: Git, GitHub Actions, REST APIs, System Architecture, GCP

Soft Skills: Analytical Thinking, Problem Solving, Team Collaboration, Adaptability

Projects

Analytics Drive – Automated AI Content Pipeline | Gemini API, SQLite, Pelican Mar 2026 – Apr 2026

- Built a fully automated, zero-cost blogging system utilizing Google Gemini 2.5 Flash to autonomously research, generate, and format SEO-optimized content.
- Engineered a secure dual-repository architecture with automated GitHub Pages deployment and real-time search engine indexing.
- Developed an autonomous tracking system using SQLite to manage content queues, topics, and prevent duplicate generation.

Krishi Sarthi – AI Farming Assistant App | React Native, Gemini AI, Expo Jan 2026 – Apr 2026

- Architected an offline-first mobile application, delivering real-time weather updates, market prices, and localized crop data to rural users.
- Engineered predictive crop recommendation and soil analysis models by integrating the Gemini AI API, alongside an interactive voice assistant.
- Designed robust local data caching and multilingual support, significantly reducing latency and mitigating internet dependency in low-bandwidth areas.

Food Delivery System (Campus Bites) | Flask, HTML, CSS, MySQL May 2025 – Jun 2025

- Built a campus food delivery backend using Flask and MySQL to streamline order placement and data management.
- Optimized menu display and order workflow, reducing processing time and improving overall user experience.

Internships

AI-ML Internship, EduSkills (Supported by Google for Developers) Sep 2023 – Nov 2023

- Worked on data analysis, utilizing Python libraries to extract model insights and support decision-making.
- Gained practical exposure to real-world AI applications, model evaluation, and business use cases.

Certificates

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| • Design Thinking – NPTEL | Aug 2024 |
| • Python – Guvi | Nov 2024 |
| • Machine Learning with Python – freeCodeCamp | Oct 2025 |

Achievements

- Solved 250+ LeetCode problems, strengthening algorithmic and problem-solving skills in Python.
- Participated in Smart India Hackathon (SIH) as Team Leader and successfully cleared the internal round.