

Naman Gupta

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PROFILE

B.Tech CSE student specializing in AI and ML with practical experience in developing machine learning models, full-stack web applications, and solving DSA problems. Proficient in Python, C++, Django, React.js, and ML frameworks including PyTorch and Scikit-learn.

EDUCATION

Vellore Institute of Technology

Bachelor of Technology in Computer Science Engineering , GPA: 8.73

Specialization in Artificial Intelligence and Machine Intelligence

Bhopal, Madhya Pradesh, India

2023 – 2027

Delhi Public School, Ranipur

Classes - 10th(95%) and 12th(82%)

Senior Secondary Education

Haridwar, Uttarakhand, India

2021 - 2023

KEY SKILLS

Knowledge: Artificial Intelligence, Machine Learning, Data Structures and Algorithms, Software Development, Distributed Systems
Programming: C++, Python, HTML5, CSS, JavaScript
Frameworks: Scikit-learn, PyTorch, React.js, Django
Databases: MySQL, MongoDB
Tools: Version Control (Git, GitHub), Firebase, Docker

PROJECTS

NutriScan – Smart Analysis of Food Products

- Developed a food analysis application to evaluate product healthiness on a scale of 0–100.
- Built and trained ML models using Random Forest and Logistic Regression.
- Created a supervised dataset of 800+ food items with detailed nutritional facts and barcodes.
- Designed classification system to label products (Excellent, Good, Moderate, Poor, Bad).
- Integrated backend APIs for predictions and user feedback collection.

Cut Copy Paste – Image Recognition and Separation

- Designed an ML-based photo classification system to curate a personalized album.
- Trained the model with 10–15 seed images to detect the target individual.
- Processed and sorted 10,000+ family images using scikit-learn, NumPy, OpenCV, and `face_recognition`.
- Generated a curated photo album for a milestone birthday.

(Client Project) SoulConnect – Matrimonial Website

- Built a full-stack matrimonial website for a client using Django, Bootstrap, HTML, CSS, and JavaScript.
- Implemented user authentication, profile creation, and matchmaking features.
- Deployed prototype on young302.pythonanywhere.com.

HACKATHONS

AI Hackfest, MLH – DoctorDoc

- Built an AI-powered tool to make reading interactive and engaging.
- Extracted and structured PDF text using PyMuPDF.
- Generated personalized quiz questions with Google's Gemini API.
- Designed a responsive UI using HTML, CSS, and JavaScript.
- Project showcased on Devpost: devpost.com/software/dr-doc.

Text points to project and work links