

NAYAN RATHAVA

AI & ML ENGINEER

DETAILS

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- 📍 Ahmedabad, India
- 🌐 Github
- 🔗 LinkedIn

SKILLS

- **Languages:** Python (Experienced), C (Intermediate), Java (Intermediate), HTML and CSS (Intermediate)
- **Frameworks:** Flask, Django
- **Libraries & Frameworks:** Langchain, Scikit-learn, Pandas, Numpy
- **Tools:** Git, Render, Google Colab
- **Other:** SQL, Web scraping

LANGUAGES

- English (Proficient)
- Hindi (Proficient)
- Gujarati (Native)

HOBBIES

- Reading Books
- Music
- Cricket



PROFILE

Aspiring AI/ML Engineer pursuing a B.E. in Artificial Intelligence. Passionate about Generative Ai and Computer Vision, with hands-on experience comparing Vision Transformers (ViT) and CNNs. Proven ability to build full-stack web applications using Flask and Python. Active hackathon participant and volunteer, seeking to leverage strong problem-solving skills and data structure knowledge to solve real-world challenges.



EDUCATION

L.D. College Of Engineering Ahmedabad
B.E. in AI & ML
CGPA: 8.31
2023 - 2027

Shree K.K Gothi Highschool Palanpur
HSC
Percentage: 80.16%
2021-2023

PROJECTS

Vision Transformers vs CNNs: A Comparative Study on Image Classification using CIFAR-10 ([view](#))

- Conducted a comprehensive performance analysis of DeiT-Tiny (ViT) against ResNet-18 (CNN) on the CIFAR-10 dataset, training for 10 epochs.
- Demonstrated model efficiency by utilizing a 5M parameter Transformer architecture to outperform an 11M parameter CNN, validating ViT viability on small-scale datasets.
- Developed an interactive web dashboard to visualize performance.

Event & Party Organizer Website ([view](#))

- Developed a full-stack web application using Python and Flask to streamline event planning, featuring an interactive UI with image sliders for enhanced user engagement.
- Implemented robust backend logic including a Service Filtering engine and a Customer Review/Rating system to facilitate service discovery.
- Integrated a secure Admin Panel for managing users, services, ensuring efficient platform administration.
- Utilized Flask-WTF for secure form handling across feedback submission and problem reporting modules.

Certifications And Volunteer Experience

Odoo X Gujarat Vidyapith Hackathon '25

Ahmedabad

Mar 2025

Natural Farmer E-Portal: Developed a digital marketplace and resource management platform for farmers during a 24-hour hackathon, handling UI design and module integration to boost market connectivity.

Volunteer at Bachpan NGO

Ahmedabad

Contributed to spreading smiles and education by teaching underprivileged children and organizing fun, skill-building events.