






# NAYAN RATHAVA

AI & ML ENGINEER

## DETAILS

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-  Ahmedabad, India
-  [Github](#)
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## 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 Bachhpan NGO** Ahmedabad  
Contributed to spreading smiles and education by teaching underprivileged children and organizing fun, skill-building events.