

Dev Dave 

Master's student in AI and Data Science, passionate about solving real-world problems through machine learning, data analysis, and innovative, impactful solutions.

EDUCATION				
Year	Degree	University/Board	Institute	% / CGPA
Pursuing	MTech in Computer Science and Engineering	Ahmedabad University	School of Engineering and Applied Science	2.74/4.00 CGPA
2024	B.TECH IN INFORMATION TECHNOLOGY (INFORMATION TECHNOLOGY)	GTU	SAL ENGINEERING AND TECHNICAL INSTITUTE	8.02 CGPA
2020	HSC (SCIENCE)	GSEB	GUJARAT LAW SOCIETY (GLS SCHOOL) N.R HIGHER SECONDARY SCHOOL	50 %
2018	SSC	GSEB	GUJARAT LAW SOCIETY (GLS SCHOOL) N.R HIGHER SECONDARY SCHOOL	65 %

INTERNSHIPS	
Techno IT Hub , Ahmedabad	Jan'24 - Apr'24
e-commerce website for gifting and printing <ul style="list-style-type: none">Where i enhanced my skills in designing, developing, and optimizing responsive website and web applications.During this role, i worked with modern web technologies, collaborated with cross-functional teams to deliver user-friendly interfaces, and ensured code efficiency and functionality.I also contributed to debugging, performance optimization, and implementing best practices in web development.	

CERTIFICATIONS	
GeneRative AI for Nurturing Sustainable Agriculture (GRAINS) 2024 Generative AI for Nurturing Sustainable Agriculture leverages advanced machine learning models to revolutionize farming practices by optimizing resource use, improving crop yields, and reducing environmental impact. Through data-driven insights, generative AI enables precise predictions for soil health, weather patterns, and pest control, facilitating smarter decision-making for farmers.	Oct'24
Modern Practices in Artificial Intelligence and Data Science Completed the 'Modern Practices in Artificial Intelligence and Data Science' certification from Ahmedabad University, where I gained in-depth knowledge of cutting-edge AI and data science techniques. The program covered machine learning algorithms, deep learning, data analysis, and the latest trends in AI applications.	Jun'24
Web Development Successfully completed an internship at Techno IT Hub as a Web Developer.	May'23 - Apr'24
MYSQL , SQL and Stored Procedures from Beginner to Advanced Earned a certification in MySQL, SQL, and Stored Procedures, covering concepts from beginner to advanced levels. This program provided a comprehensive understanding of database management, SQL queries, and advanced techniques such as stored procedures, triggers, and functions.	Dec'21

PROJECTS	
Ahmedabad University	Feb'25 - Apr'25
Yoga Pose Classification and Real-Time Feedback System (Deep Learning, Computer Vision) Summary: Developed a deep learning system using MediaPipe and TensorFlow to classify yoga poses from video and provide real-time feedback based on joint angle analysis. Skills Used: Python · TensorFlow · Keras · OpenCV · MediaPipe · NumPy · Pandas · Scikit-learn · Computer Vision · Deep Learning · Model Evaluation · Pose Estimation · Feature Engineering · Video Processing · Real-time Feedback Systems Team Size: 1 Key Outcomes: Built a deep learning system to classify yoga poses and give real-time feedback using joint angles from MediaPipe enhanced user form with visual cues and slow-motion video playback.	
Ahmedabad University	Feb'25 - Mar'25
Fraud Detection Using Machine Learning Summary: Built a fraud detection model using machine learning with SMOTE and Random Forest, performing data preprocessing, analysis, and classification on synthetic financial transaction data. Skills Used: Python, Scikit-learn, Pandas, SMOTE, Random Forest Team Size: 1 Key Outcomes: Developed a machine learning pipeline to detect and classify fraudulent financial transactions using a synthetic dataset. Evaluated model performance using metrics such as precision, recall, F1-score.	
Ahmedabad University	Sep'24 - Nov'24

Atmospheric Correction Using Deep Learning Model

Summary: This project uses U-Net and R2U-Net to enhance Sentinel-2 satellite images, improving clarity and accuracy while outperforming traditional atmospheric correction methods in efficiency and scalability.

Skills Used: Deep Learning & Neural Networks (U-Net, R2U-Net), Image Processing & Computer Vision , Machine Learning Model Training & Evaluation , Python Programming , PyTorch & TensorFlow , & Data Preprocessing

Team Size: 4

Key Outcomes: This project enhances satellite images using deep learning, improving accuracy, scalability, and spatial feature preservation for applications in environmental monitoring, agriculture, and management.

Techno IT Hub

Jan'24 - Apr'24

e-commerce website for gifting and printing ("wrap n Print")

Summary: Personalized Gifting Hub: Our platform specializes in unique, customized gifts designed to suit all occasions, from birthdays to anniversaries, helping you make every celebration unforgettable.

Skills Used: Python, Django

Team Size: 1

Key Outcomes: Effortless Shopping: Enjoy a seamless and user-friendly shopping experience, from selecting products to placing your order, making gifting and printing hassle-free.

TECHNICAL SKILLS

Languages: C/C++ , HTML/CSS , Bootstrap , JavaScript, Python, Django

Softwares: VS code, Google Colab, Jupyter, LaTeX

Framework / Libraries: Numpy, Pandas, Matplot, Seaborn, PyTorch, Scikit-learn

Tools / Technologies: GitHub, Google Cloud, AWS

PERSONAL DETAILS

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