devtrivedi13@gmail.com
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Vadodara Gujarat

Profiles And Portfolio

- https://www.linkedin.com/in/dev-trivedia8b877250
- https://devvsportfolio.netlify.app/

Skills

- React
- Node JS
- Type Script
- MongoDB
- IOT
- FLUTTER
- Express
- Next JS
- Python-Django
- Web development
- Data analysis
- Research methodology

Education

05/2025
Bachelor's:
information and technology
Madhuben & Bhanubhai Patel Institute Of Technology (MBIT)
Anand
GPA: CGPA-7.17

05/2022
Diploma:
information and technology
Government Polytechnic
Ahmedabad
GPA: CGPA-7.95

Certifications

- Code Unnati (EDUNET)
- Analysis of Algorithms (Coursera)
- Programming for Everybody - Getting started with Python (Coursera)
- Exploratory Data Analysis for Machine Learning (Coursera)
- Internship In INFOLABZ IT SERVICES PVT.LTD
- ISRO SAC Research Internship

Dev Trivedi

Objective

Passionate about MERN stack development, I am an enthusiastic and energetic Software Engineer, Full Stack Developer, and Web Developer skilled in building robust full-stack web applications using MongoDB, Express.js, React, and Node.js (MERN). I am a dedicated problem solver eager to contribute my end-to-end development expertise and logical thinking to innovative, scalable, and data-driven projects. Alongside MERN, I have a strong interest in AI model integration and Python development, which allows me to explore intelligent automation, machine learning applications, and advanced data-driven solutions.

Work Experience

Pardy Panda Studios - Web Intern
Vadodara, India
07/2025 - Current

INVINCIBLE NGO - Instructor
Ahmedabad, India
02/2023 - Current

ISRO SAC - Research Intern
Ahmedabad, India
01/2025 - 04/2025

INFOLABZ IT SERVICES PVT.LTD. - Intern
Ahmedabad, India
06/2021 - 04/2022

Languages

- GUJARATI
- HINDI
- ENGLISH

Projects

IOT BASE VEHICLE SECURITY SYSTEM
- Developed mobile applications using Flutter
- Integrated APIs and managed dependencies with Gradle
- Designed and implemented IoT projects using sensors, breadboards, and Arduino UNO
- Utilized 000webhost for web hosting and database management

ATHLETIC AVENUE
- Developed the backend using Django, implementing features such as makemigrations, migrate, staff permissions, and superuser creation
- Customized the UI with Django's inbuilt packages
- Managed customer data storage and facilitated sports item purchase

MORPHOMETRICS ANALYSIS OF THE FRACTURE IN CLASSIFIED LUNAR FFCS AND THEIR INTER COMPARISON
- Fracture Measurement: Analyzed key morphometric parameters of fractures (e.g., length, width) within lunar floor-fractured craters (FFCs) using high-resolution imagery and Quickmap tools
- Classification-Based Study: Studied FFCs grouped into six morphological classes to observe how fracture patterns vary with crater class
- Statistical Comparison: Performed statistical comparisons between classes to identify similarities, differences, and possible geological implications
- Implication for Lunar Geology: Interpreted how fracture characteristics relate to subsurface processes like magmatic intrusion and tectonics on the Moon

AUDIO SPLEETER WEB APP (MERN + Next.js + Deep Learning + Whisper AI)
- Built a full-stack web application using the MERN stack with Next.js (frontend & backend in one environment) for seamless audio processing workflows
- Developedamodern and responsive Ul using shadcn/ui components and Tailwind CSS, ensuring a clean, accessible, and interactive design
- Integrated a Deep Learning model (Spleeter) to automatically separate vocals and instrumentals from uploaded MP3/WAV files
- Implemented OpenAl Whisper for real-time lyrics generation and transcription, enabling synchronized live lyrics display during playback
- Designed a secure Node.js + Express backend for handling uploads, audio processing, and dynamic file storage with UUIDS
- Optimized performance by leveraging asynchronous processing for large file operations and ensuring scalability for multiple user requests
- Enhanced user engagement with animated progress indicators and dynamic download links for processed files