



Divyang Deepak Palshetkar

Bachelor of Technology
Indian Institute of Technology Jodhpur
B21CI016 [Dept. Rank: 4]

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Portfolio GitHub LinkedIn

EDUCATION

Degree	Institute	Board / University	CGPA/Percentage	Year
B.Tech	Indian Institute of Technology Jodhpur	IIT JODHPUR	8.24	2025
Senior Secondary	Jaipuria School, Navi Mumbai	CBSE	94.6%	2020
Matriculation	Jindal Vidya Mandir, Salav	CBSE	97.4%	2018

WORK EXPERIENCE

- AICOE Project, Ministry of Education** May 2024 - July 2024
Internship / Certificate IIT Jodhpur
 - Conducted an in-depth analysis of **traffic patterns and vehicular movement** across **16 strategic locations**, processing **150+ hours of real-time footage** using **TRAZER software**. Extracted key metrics such as **vehicle count, speed, lane discipline, and congestion trends** to assess traffic flow efficiency.
 - Collaborated with teams to implement **Generative AI-powered digital twin technology** for **infrastructure planning** and improving decision-making by 40%
 - Integrated Generative Causal AI models with a web-based **React & Node.js** application.
- Jal Jeevan Mission, Ministry of Jal Shakti** May 2024 - July 2024
Internship / Certificate Rajasthan
 - Conducted **water surveys** and mapped 40+ dry borewells using **GPS, QGIS, and Global Mapper** to optimize groundwater recharge. Ensured compliance with environmental standards for sustainable water resource management.
 - Designed **3D filtration models** and horizontal recharge techniques, improving groundwater replenishment efficiency by 30%
 - Developed **REST APIs** to integrate GIS data with an analytics dashboard.

PROJECTS

- CookSmartAI – AI For Kitchen & Diet** July 2025
Full-Stack Project / Next.js, Prisma ORM, Supabase, Gemini AI, Pollination AI Live Demo | Github
 - Built a **full-stack, AI-powered culinary platform** enabling users to **generate recipes**, create **custom meal plans**, and perform **nutritional analysis** with AI-powered insights and **auto-generated dish images**.
 - Integrated **Gemini AI** for analysis, **Hugging Face models** and **Pollination AI** for image generation/regeneration, and implemented **location/time-zone based meal suggestions**.
 - Implemented secure **authentication** with Clerk, real-time **PostgreSQL database** via **Supabase + Prisma**, and a fully responsive UI using **Next.js & Tailwind CSS**.
 - Developed features like **AI Image Scanner** to analyze food images, **global recipe hub** with advanced filters and **shopping list generation**.
- ExpendIQ – AI-Powered Personal Finance Platform** June 2025
Full-Stack Project / Next.js, Prisma ORM, Inngest, Arkjet, Supabase, Gemini AI Live Demo | Github
 - Developed a **full-stack, AI-powered personal finance platform** with features like **income/expense tracking**, **multi-account budgeting**, **receipt scanning** using **Gemini AI + OCR**, and **monthly financial summaries** with **Recharts visualizations** and **AI-generated savings insights**.
 - Implemented **recurring transaction automation**, **real-time budget alerts** via **Resend + Inngest**, secure **Google authentication** using **Clerk** and **bot protection** with **Arcjet**.
- PulseMeet - Telemedicine Appointment App** June 2025
Full-Stack Project / Next.js, Prisma ORM, Vonage Video API, PostgreSQL (Neon) Live Demo | Github
 - Built **PulseMeet**, a **full-stack telemedicine platform** enabling patients to consult doctors via **secure 1:1 video calls** (Vonage), manage **real-time appointment scheduling**, and subscribe to **credit-based plans** using **Clerk + Stripe**.
 - Integrated **role-based access control** (Patients, Doctors, Admins), **Clerk authentication**, **Vonage encrypted video sessions**, **credit tracking**, **subscription management**, and a **payout system** for doctors.

SKILLS

- Languages & Tools:** Python, JavaScript, C/C++, SQL, React, Node.js, Express, Prisma, PostgreSQL, REST APIs
- Others:** Next.js, Supabase, Clerk, Stripe, Vonage API, Inngest, Arcjet, QGIS, TRAZER, Data Analysis, AI/OCR

POSITIONS OF RESPONSIBILITY

- Festival Chief**, Ganeshotsav '24 IIT Jodhpur - Organized cultural events, leading a team of **200+ volunteers**. 2024
- Head**, Public Relation Team, EDIFICIO 2023
- Head**, UDBHAAS Exhibition 2022

MISCELLANEOUS

- JEE-Advanced (2021)**, Qualified in top 1% among 1 million JEE aspirants 2021
- District Topper**, Class X 2018
- Certificate of Merit from CBSE**, for being in top 0.1 percent candidates of CBSE Board Exam 2017-18 2018
- Rank-26**, Maharashtra Talent Search Examination (MTSE) 2017