



Divyang Deepak Palshetkar

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

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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%	2019-20
Matriculation	Jindal Vidya Mandir, Salav	CBSE	97.4%	2017-18

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**, improving decision-making by 40%
 - Integrated Generative Causal AI models with a web-based **React & NodeJS** 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

- ExpensiQ - AI-Powered Personal Finance Platform** May 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**.
- Inventory Optimization & Sales Analytics | Slooze Take-Home Challenge** June 2025
Python, Panda, Time-Series Analysis, Data Visualization Github
 - Developed an **end-to-end data science pipeline** to perform **demand forecasting, inventory optimization (EOQ, reorder points)**, and **ABC classification** of SKUs.
 - Conducted **exploratory data analysis** on sales, purchase, and lead time data to uncover **seasonal trends, top-performing products**, and **supplier performance insights**.
- PulseMeet - Telemedicine Appointment App** Jun 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