



Devendra Gurjar

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[Portfolio](#) [GitHub](#) [Kaggle](#) [LeetCode](#) [LinkedIn](#)

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Final-year IIT Jodhpur student with hands-on experience building production ready AI Agents, web systems and ML research pipelines. Strong in Python, PyTorch, TypeScript and scalable web infra (Next.js, Postgres, AWS). Seeking SDE or AI/ML engineer internship or full time roles.

Achievements

- Qualified JEE Main & JEE Advanced (came in top 2%)— admitted to IIT Jodhpur.
- Secured Top-500 Rank in a few Kaggle competitions at the time of submission.
- Served as Web & App Dev Head, Prometeo — managed 1,200+ user registrations; led a 6-member dev team.

Education

Indian Institute of Technology, Jodhpur

(2022–2026)

- B.S. Chemistry (specialization in Entrepreneurship). **CGPA:** 7.08 (ongoing)

Relevant coursework

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|--------------------------------|--------------------------------|--------------------------------------|
| • Digital Product Management | • Probability, Statistics & SP | • Design & Analysis of Exp.(R) |
| • Machine Learning | • Scientific Computation | • Money, Banking & Financial Markets |
| • Data Structures & Algorithms | • Marketing Management | • Generative AI |

Experience

• CoinQuest — Web Developer Intern

(May'25 - June'25)

- Built authoritative real-time game engine (state machine + Socket.io) ensuring deterministic game flow and reliable client sync.
- Implemented wallet-first authentication(Privy) and Postgres-backed bet/cashout modules for durable state; added session recovery and rate-limit/retry policies.
- Delivered modular chat features (presence, typing, moderation) and reliability patterns (rate-limit, retries) for concurrent users.
- UG Research Assistant — Prof. Nil Kamal Hazra Advanced Deep Learning** (June'25 - July'25)
- Reproduced a published ML-based coarse-graining methodology: generated/preprocessed MD trajectories, extracted structural features, and prepared supervised datasets for training.
- Implemented training pipelines (Python, PyTorch) to learn coarse-grained forces/potentials and validated results by comparing radial distribution functions and thermodynamic observables between coarse-grained and all-atom systems.
- Performed model selection, hp tuning, and quantitative evaluation to ensure structural and thermo dynamic consistency.
- Gained practical experience in dataset curation, trajectory parsing, and scientific code validation.

Key Projects

([GitHub](#) / [Kaggle](#))

• VISION CHATBOT (NLP, LLM, VLM, Generative AI)

(Jan'24 - Aug'24)

- Main objc. was to develop a chatbot capable of processing diverse inputs and executing predefined actions based on these inputs.
- Explored various concepts including NLP, Transformers, LLMs, and Generative AI.
- Delved into various research papers detailing models such as BERT, BART, GPT, VIT, CLIP, BLIP, GAN, Stable Diffusion, DALL-E, Imagen, and more, and have successfully implemented several of these models from scratch.

• Multi Agent Rag Legal Assistant (Rag, AI Agents, MCP, fssai, spacy)

(Sep'24 - Dec'24)

- Developed an AI agent for automation and enhancement of legal document analysis and drafting.
- Integrated Multi-Agent architecture for different task with Fusion-RAG on a database of 1900 case doc to ensure modularity.
- Obtained an average Rouge-L score of 37.9% and a BLEU-3 score of 27.4% on multiple examples.

• Smart Traffic Analytics and Prediction Platform (Computer vision, YOLO, fine tuning)

(Sep'24 - Dec'24)

- Developed a real-time system to analyze live traffic feeds and sensor data for congestion prediction and incident detection.
- Employed PyTorch with OpenCV for image processing and predictive modeling.
- Deployed on AWS using PostgreSQL, with a TypeScript dashboard for visualization.

• Histopathological Cancer Detection (ML/DL, feature engineering, transfer learning)

(Aug'23 - Dec'23)

- Worked on image classification methods for cancer detection using machine learning and deep learning.
- Created an end-to-end PyTorch pipeline (custom CNN & ResNet50 fine-tuning, transfer learning, efficient Dataset/Loader, augmentation, check-pointing). Trained classical, deep models (SVM, RF, CNN) and some boosting techniques; achieved 92% test accuracy (validation pipeline + reproducible notebooks).

• Web Development Projects

- My Portfolio Website** : Created a beautiful portfolio website with separate Personal and Professional Space, [Link](#).
- PrintPerfection website**: Built with Next.js, deployed on a VPS as a freelancing project for a clothing wholesale company.
- GAME Website**: Developed with Chakra UI and TypeScript, featuring a user-friendly interface, login, and tokenization.
- Cycle Share website**: A platform for IITJ students to share cycles, built with JavaScript, Node.js, and MongoDB.

Technical Skills

- **Programming Languages:** C, C++, R, HTML, CSS, L^AT_EX, MATLAB, Python, JavaScript, TypeScript.
- **Development:** Git, GitHub, Cloud management, Next.js, React, Vue, Node, Express, MongoDB, Postman, Unity.
- **ML/DL and Data:** Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, TensorFlow, PyTorch, TextBlob, XGBoost, Hugging Face, Faiss, MONAI, Transformers, spaCy, NLTK, LangChain.
- **Data & Infra:** PostgreSQL, MongoDB, Elasticsearch, Redis, Kafka
- **Deployment & DevOps:** Docker, Nginx, Kubernetes (basic), GitHub Actions, AWS (EC2/S3)
- **Tools & Viz:** Streamlit, Plotly, Power BI, Tableau, Git
- **Other:** RAG demos, prompt engineering, A/B testing, experiment design
- **Soft Skills:** Leadership, Analytical and Strategic thinking, Problem-Solving, Reasoning, Emotional Intelligence.

Positions of Responsibility or Experience

- **Web & App Development Head, Prometeo** (2024-25)
 - Led development of the official fest site & app: registrations, schedules and event modules; supported **1,200+** sign-ups.
 - Coordinated a team of assistant heads to ensure a smooth workflow and visually compelling user interface.

Certifications & Courses

- **Oracle Cloud Infrastructure 2025 Certified Data Science Professional** (2025)
 - Practicals: train, optimize, deploy and maintain ML models on OCI; business-focused ML solutions.
- **Data Analytics: Empowering Business** (2025)
 - Dashboard design, Power BI, data cleaning, charts & presentation.