

Divyansh Rawat

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in divyanshrawat7 • divyanshrawat7 • Jodhpur, India

ML Engineer | AI Engineer | Data Scientist

Education

MTech – Artificial Intelligence

[Indian Institute of Technology, Jodhpur](#)

2025 – Present

Jodhpur, India

Relevant Courses: Machine Learning, Artificial Intelligence, Mathematics & Autonomous Systems.

BTech – Computer Science and Engineering

[Graphic Era Hill University](#)

2019 – 2023

Dehradun, India

Relevant Courses: Computer Architecture, Compiler Design, Operating System, Databases, Computer Networks, Engineering Mathematics & Data Structure and Algorithm.

10+2 / Intermediate

[St. Kabeer Academy](#)

2018 – 2019

Dehradun, India

Relevant Courses: Physics, Chemistry, Mathematics & Computer Science.

10th Grade

[St. Theresa's School](#)

2016 – 2017

Srinagar(Garhwal), India

Skills

- **Programming:** Python, SQL, Java, C++, JavaScript
- **AI/ML:** Machine Learning, Deep Learning, NLP, Generative AI, LLMs, Recommendation Systems, Time Series Forecasting, Feature Engineering, Computer Vision
- **Frameworks & Libraries:** PyTorch, TensorFlow, Keras, HuggingFace Transformers, LangChain, Scikit-learn, Pandas, NumPy, OpenCV, PySpark, Apache Spark, Streamlit
- **Platforms & Tools:** Git, GitHub, Linux, Docker, Jupyter Notebook, VS Code, Heroku, React.js, Node.js
- **Core CS:** DSA, OOP, Operating Systems, DBMS, Computer Networks

Experience

Python Developer (ML Engineering)

[Cruxsphere Technologies Pvt. Ltd.](#)

04/2024 – 10/2024

India

- Designed and enforced end-to-end data preprocessing pipelines using Python, Pandas, and NumPy, processing 50K+ records daily and improving data quality for downstream ML workflows.
- Built and automated SQL-based data pipelines and reporting scripts, reducing manual reporting effort by approximately 35% and improving processing efficiency across analytics workflows.
- Identified and refactored three bottleneck functions, cutting average debugging cycle from 2 hours to 30 minutes, dramatically improving developer turnaround on model issues.

Front-End Developer

[Behere Elite Technologies](#)

06/2023 – 03/2024

Delhi, India

- Developed and deployed 5+ responsive, cross-browser compatible web applications using React.js, HTML, CSS, and Node.js, improving user experience across multiple devices.
- Designed and deployed RESTful API integrations, reducing average data retrieval times by 15% and improving front-end application responsiveness.

Projects

Distributed Recommendation System using Apache Spark MLlib ALS

02/2026 – 04/2026

[GitHub](#)

- Architected a scalable distributed recommendation system using Apache Spark, PySpark, and Spark MLlib's ALS algorithm for collaborative filtering on large-scale datasets.
- Implemented end-to-end Spark-based preprocessing and ALS model tuning using Spark DataFrames, optimizing recommendation quality and generation speed.
- Deployed the pipeline via Streamlit and evaluated performance using RMSE, Precision@K, and Recall@K, achieving robust recommendation accuracy across user segments.

Time Series Energy Consumption Forecasting

09/2025 – 11/2025

[GitHub](#)

- Developed an end-to-end forecasting system for India's hourly electricity demand, achieving a 12% reduction in Mean Absolute Error through advanced deep learning and classical ML models.
- Implemented and benchmarked LSTM, XGBoost, Random Forest, and Linear Regression models, selecting the best-performing model based on MAE and RMSE metrics.
- Streamlined data preprocessing scripts and debugging processes, achieving a 30% reduction in pipeline execution time while enhancing AI/ML application development scalability.

Face Recognition based Attendance System

03/2022 – 10/2022

[GitHub](#)

- Engineered an automated face recognition system using Python, OpenCV, and CNNs, eliminating manual attendance tracking and reducing processing time by 40%.
- Optimized image processing workflows, reducing processing time and improving overall system performance.
- Integrated data privacy and integrity measures, ensuring secure and tamper-proof attendance management across user sessions.

Publication

Movie Recommendation System Using TF-IDF Vectorizer and Bag of Words

IEEE Xplore | SMART 2023 Conference

DOI: [10.1109/SMART59791.2023.10428182](https://doi.org/10.1109/SMART59791.2023.10428182)

Achievements

- Graduate Aptitude Test in Engineering [GATE] [Computer Science] qualified.
- Graphic Era Hill University Achiever's Award Recipient (2023).
- Co-Founder and ex-President of Cyber Security Club of Graphic Era Hill University.
- Led team to 4th position in Devbhoomi Cyber Hackathon [All India] against 500+ teams.
- Achieved top 565 rank on HackTheBox [Globally].