

Rajika Patel

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| [leetcode](https://leetcode.com)

EDUCATION

JK Lakshmipat University - Bachelor of Technology in Computer Science & Engineering (Specialization: Artificial Intelligence)

Jaipur, Rajasthan
2021-2025

Served as Teaching Assistant for the Programming and Data Structures & Algorithms

CGPA: **8.5**

EXPERIENCE

Senior Executive AI Developer

May-2025-Present
Delhi

Jaipuria Institute of Management

- Developed and launched a white-labeled AI chat platform, “**JChat**,” integrating multiple AI models to deliver intelligent, context-aware assistance for students and faculty.
- Collaborated with faculty, technical, and operations teams to integrate AI tools into the learning management system.
- Managed DevOps processes, including CI/CD pipeline setup, cloud deployment, system monitoring, and optimization to ensure scalable and reliable AI services.

Software Engineer Intern

Oct-2024 – May-2025
Jaipur, Rajasthan

December Technology Private Limited | FUDR

Implemented RESTful APIs for referral code, referral validation, and brand validation functionalities. Deployed and tested these APIs, ensuring seamless integration with the main product. Achieved successful merging of the developed APIs into the primary system, enhancing overall functionality.

Python Developer & Research Intern

May-2023– Aug-2023
Kharagpur, West Bengal

IIT Kharagpur

Developed Python-based programs to process large datasets, significantly boosting efficiency.
Created a GUI application to read elevation data from **large vector files (10k+ points)** and generate reservoir boundary files based on user input.

PROJECT

Placement & Internship MS | *React, Express, Nodejs, PostgreSQL*

Sept 2024 – Nov 2024

Solved a problem to replace manual record management in paper and Excel sheets for my university, streamlining operations with a centralized system. helping manage records of more than 300+ students
Designed a user dashboard for tracking internships and placements with single-click registration.
Built a secure admin dashboard for user management and data monitoring using JWT authentication.

Gita GPT | *Python, transformer, LLM*

March 2024 – April 2024

Developed a GPT-1 model from scratch, constructing each layer step-by-step for a comprehensive understanding of its architecture.
Trained the model on a custom Bhagwat Gita text dataset with around **12 million** parameters, achieving **97% accuracy**

Traffic Analysis | *Python, YoloV8, Roboflow*

Aug 2023 – Sept 2023

Developed a traffic analysis system for real-time car detection and traffic flow prediction.
Utilized computer vision techniques to analyze traffic patterns and vehicle movement.
Enhanced accuracy and efficiency through advanced model optimization and data processing.

TECHNICAL SKILLS

Languages: Java, Python, C++, SQL, JavaScript, HTML/CSS

Frameworks : Java Spring, SpringBoot

Libraries: Pandas, NumPy, Matplotlib, TensorFlow, HuggingFace, Transformer, Keras

Artificial Intelligence, Machine Learning, Large Language Model, Deep Learning, Computer Vision