

# Shivam Mishra

AI Engineer (RAG • Agentic AI • LLMs) | MERN Developer | Data Science

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MCA coder proficient in Full-stack development (MERN), Database Management (PostgreSQL, MySQL, Oracle, and MongoDB), and core programming that includes Python, JavaScript, JAVA. Gained practical industrial exposure through hands-on diagnostic software and preventive maintenance experience at NCL and currently in an internship role at VNIT building expertise in machine learning and AI with projects in predictive analytics and deep learning.

## PROFESSIONAL EXPERIENCE

### Research Intern –VNIT Nagpur

July 2025 – Present

- Conducting research on Deep Learning (DL), Reinforcement Learning (RL), and Quantitative Trading techniques to develop intelligent trading models.
- Implemented AI-based systems using advanced Machine Learning methods to enhance decision-making and predictive accuracy.

### Apprentice Trainee - NCL

2021 – 2022

Singrauli, Madhyapradesh

- Utilized diagnostic software (KOMTRAX, ConSite, CAT ET) to retrieve error codes, analyze sensor data, and update maintenance logs in database(MySQL).
- Gained hands-on experience in machine troubleshooting, data analysis, and preventive maintenance planning through digital tracking systems.

## EDUCATION

### Master of Computer Applications

Datta Meghe Institute of Higher Education And Research , Sawangi , Wardha

CGPA(2nd Sem): 8.64/10

2024 - Present

### Bachelor of commerce( Computer Applications)

Dr, Ambedkar institute of management studies and research , Nagpur

CGPA: 6.92

2018 - 2021

## PROJECTS

### Alignbox Chat App

- Developed a real-time interactive chat application using Node.js, Express, and Socket.io for instant messaging with features like anonymous mode and message history.
- Demonstrated skills in full-stack development, real-time communication, and database management through seamless integration of MySQL, HTML, CSS, and JavaScript.
- Tech:** Node.js, Express.js, Socket.io, MySQL, HTML, CSS, JavaScript.

### Offline-AI

- Developed an offline AI chatbot using DeepSeek-R1 and Node.js, integrated with a locally hosted API for intelligent, private, and fast conversational capabilities without requiring internet access.
- Tested the chatbot via Postman and build web interface (HTML/CSS/JS).
- Tech:** Ollama, Node.js, Express.js, Postman, RESTful API

### Rule-Based Smart Option Bot

- Built a Python-based automated trading bot for stocks and options.
- Implemented advanced option strategies for real-time buy/sell signals.
- Integrated Telegram alerts and a web dashboard for live monitoring.
- Tech:** Python 3 , API's, automotion (Telegram Bot), NumPy, Pandas-TA, TA-lib, PyYAML.

## SKILLS

**Programming:** Python, Java, JavaScript,SQL

**Machine Learning and Deep Learning:**

Supervised/Unsupervised ML, Scikit-learn, TensorFlow, PyTorch, XGBoost, CNNs, Transformers, Hugging Face, LangChain, LangGraph, LLMs.

**Data Science and Analytics:** EDA, Statistical Modeling, Hypothesis Testing, Power BI, Matplotlib, Seaborn

**Cloud and MLOps:**

AWS (Lambda – basic), FastAPI, Unix, Supabase, CI/CD, Git , Docker.

**Tools & Platforms:**

Github, VS code, R studio, Tableau, Postman.

**Core CS Subjects:**

DBMS, Applied ML , Data analytics with R, UI frameworks , Software Testing and QA.

## ACHIEVEMENTS & INVOLVEMENTS

- Completed HackerRank 30 days code challenge (2025) with 5 star.
- GDG hackathon (Bappa ka Prasad 5.0) Runner UP.
- TechnoEvent(college Event) Brainstorm quiz top 10 candidate.

## CERTIFICATIONS

- Meta Database Engineer - **META(Coursera)**
- Machine Learning With Python - **IBM(Coursera)**
- Full Stack Development - **IBM(Coursera)**
- Python 3.4.3 - IIT Bombay**

## LANGUAGES

Marathi - Fluent

Hindi - Fluent

English - Fluent