

Rohit Agrawal

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LeetCode:- https://leetcode.com/u/Rohit_Agrawal_937/



Education

- Currently pursuing Bachelor of technology at **Invertis University** (2023-2027) with a current **CGPA of 9.0**.
- Completed **Class 12th** (UP BOARD) in 2023 with a score of **92%**.
- Completed **Class 10th** (UP BOARD) in 2021 with a score of **90.8%**.

Skills

- Programming:** Python, SQL, HTML, CSS, JavaScript
- Data Science:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn
- Machine Learning:** Classification & Regression Models, Supervised and Unsupervised ML, KNN, XGBoost, SMOTE, RUS
- Deep Learning:** Sequential Models, CNN, 1D CNN, 2D CNN
- AI Explainability:** SHAP, LIME
- Web & Deployment:** Flask, Streamlit, Render
- Visualization Tools:** Power BI, Tableau
- Tools & Platforms:** Jupyter Notebook, VS Code, GitHub, Tinkercad

Experience /Internship

ITI – ICTSM (Information & Communication Technology System Maintenance) — Grade: A

Aug 2023–July 2025

- Completed 2-year technical training in computer hardware, networking, and system maintenance.
- Hands-on experience in troubleshooting, OS installation, and ICT system support.

Google AI-ML Virtual Internship (Completed) — Grade: A

April 2025–June 2025

- Completed Google-supported AI–ML virtual internship under Eduskill (Cohort 12).
- Worked on ML pipelines, model training, deployment concepts, and real-world AI workflows.

Altair Data Science Master Virtual Internship (In Progress)

Nov 2025–Present

- Currently enrolled in Eduskill’s Altair Data Science virtual internship (Cohort 14).
- Learning advanced data science workflows, analytics, and industry-level project building.

Projects

Text Emotion Detection (Sentiment Analysis)

Mar 2025–Apr 2025

- Developed a machine learning–based text emotion detection system capable of classifying emotions such as joy, anger, fear, sadness, love, etc.
- Built using NLP techniques, text preprocessing, and ML models.
- Integrated into a user-friendly web application and **deployed on Render** for public access.
- GitHub: <https://github.com/agrawalrohit937/Text-Emotion-Detection>
- Live Demo: <https://sentiment-analysis-gkiy.onrender.com>

Pashu Samadhan — AI-Based Cattle Health & Support System (Hackathon Project)

May 2025–June 2025

- Designed an intelligent system to help farmers identify livestock issues and receive instant solutions.
- Implemented features like cattle disease prediction, symptom-based recommendations, and emergency guidance.
- Created as part of a hackathon project focusing on agriculture and rural AI solutions.
- Enhanced usability with a simple UI for farmers and easy access to information.

Heart Attack Risk Prediction (ML | Explainable AI | UGC Dataset)

Mar 2025–Apr 2025

- Developed a heart-risk prediction model using the **UGC heart-disease dataset** with SMOTE and tuned ML models.
- Added **SHAP & LIME** explainability for transparent and clinically meaningful insights.

Diabetes Prediction System (ML | PIMA Dataset)

May 2025–June 2025

- Created a diabetes classifier using the **PIMA Indians Diabetes Dataset**, handling imbalance with SMOTE.
- Evaluated using accuracy, confusion matrix, and optimized classification metrics.

Participation & Achievements

- IEEE Xplore- IEEE.**
- HackBhoomi 2025 – The Internal Smart India Hackathon-** Invertis University, Bareilly.

Certifications

- Google AI-ML Virtual Internship (Eduskill)
- Tata Data Visualisation: Empowering Business with Effective Insights Job Simulation.