

# Mehul Goyal

 GitHub |  LinkedIn |  LeetCode |  mehulgoyal238@gmail.com |  Portfolio Site

## EDUCATION

2023 - present    BTech(Hons) CSE-AI/ML, Minors in Fintech at **RV University**    (GPA: 9.01/10.00)

## WORK EXPERIENCE

**Machine Learning Trainee, Tata Elxsi**    June 2025 - Sept 2025

Worked on an industry client project: customer segmentation, building AI/genAI models, developing AI agents and RAG pipelines for automation and decision support.

**Machine Learning Intern, RV University**    June 2025 - Sept 2025

Developed a computer vision pipeline using YOLOv11 for object detection and a classification model for disaster management; integrated into an end-to-end solution for emergency response.

**AI/ML Intern, Dhee Centre of AI and Data Science**    June 2024 - Sept 2024

Developed AI/ML projects, focusing on data analysis and model development with real-world datasets; enhanced leadership and teamwork skills.

## PROJECTS

**Agentic Bias Checkpoint Auditor**    [Link to GitHub](#)

A powerful tool to identify where bias originates in your ML pipeline by analyzing three critical checkpoints: Data → Features → Model.

**Agentic Scientific Debugger**    [Link to Demo](#)

Built an agentic debugger that analyzes ML experiments to detect methodological flaws and generate evidence-based corrections using open-source LLMs.

**TraceMaint (BeachHack S7, 4th/400+ teams)**    [Link to GitHub](#)

Built an explainable predictive maintenance system using decision traces and constrained LLMs to deliver transparent, auditable maintenance recommendations.

More projects available at: <https://mehulgoyal.vercel.app/>

## SKILLS

<b>Languages</b>	Python, Java, C/C++, SQL
<b>AI/ML</b>	Machine Learning, Deep Learning, Generative AI, NLP, TensorFlow, PyTorch, Keras, Scikit-learn, OpenCV, LangChain, RAG, LLMs
<b>Web &amp; Tools</b>	Next.js, MERN, Flask, Tailwind, TypeScript, SQLAlchemy, APIs, Git, Docker, Firebase
<b>Web3</b>	Solidity, Ethereum, Web3.js
<b>Other</b>	Data Engineering, Android Dev, Quantum (Qiskit), Leadership, Communication

## ADDITIONAL

### Awards

- *Best Project* — *SilentSync (IEEE pre-conference)*
- *2<sup>nd</sup> Place* — *IEEE RAS Conference 2025*
- *4<sup>th</sup> Place* — *M-Hash Hackathon 2024 (PetCompass)*
- *Finalist* — *BeachHack S7 2026 (TraceMaint, 400+ teams)*

### Certifications

- *IBM Qiskit (IUC EE)*
- *IBM SkillsBuild: GenAI, Big Data*
- *Agentic AI (Google)*
- *Salesforce Agentblazer Champion '25*