

# Mehul Goyal

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## 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

**Languages** Python, Java, C/C++, SQL

**AI/ML** Machine Learning, Deep Learning, Generative AI, NLP, TensorFlow, PyTorch, Keras, Scikit-learn, OpenCV, LangChain, RAG, LLMs

**Web & Tools** Next.js, MERN, Flask, Tailwind, TypeScript, SQLAlchemy, APIs, Git, Docker, Firebase

**Web3** Solidity, Ethereum, Web3.js

**Other** 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 (IUCEE)
- IBM SkillsBuild: GenAI, Big Data
- Agentic AI (Google)
- Salesforce Agentblazer Champion '25