

Richa Ray

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<https://github.com/richaray>

Education

National Institute of Technology, Mizoram

Bachelor of Technology in Computer Science and Engineering (CGPA: 9.27 / 10.00)

Expected May 2027

Aizawl, Mizoram

- **Relevant Coursework:** Data Structures and Algorithms , Object Oriented Programming

Experience

ML Intern at Cothon Solutions

December 2024 – January 2025

- Certificate : <https://drive.google.com/file/d/1DsuzA8zxVu8bAvLT84wplbCoZJMujgcF/view?usp=sharing>
- Developed a flower image classifier with 85.29% accuracy, a chatbot using NLP, a speech-to-text converter, and a stock price analysis system, applying machine learning techniques to diverse real-world problems.
- Presented project findings to a technical audience, enhancing communication and presentation skills.

Attended Winter School at IIT Guwahati

Jan 6th 2025 – Jan 13th 2025

- Certificate : <https://drive.google.com/file/d/1aJEKLa8f8ew2MPwINDk3dJn53zfVZfh/view?usp=sharing>
- Worked on practical implementations using frameworks like TensorFlow and PyTorch.
- Explored real-world applications of NLP, including text generation and sentiment analysis.

AI Intern – TechSaksham (Microsoft & SAP CSR Initiative)

Dec 12th 2024 – Jan 12th 2025

- Certificate <https://drive.google.com/file/d/1TEG5gMJfPRwSAkp29Ux9ltz1kRmwIIE/view?usp=sharing>
- Gained hands-on experience in applying AI concepts to real-world scenarios
- Enhanced problem-solving, critical thinking, and collaboration skills through project-based learning.

Projects

Car Price Prediction using Linear Regression | https://github.com/richaray/CarPrice_Regression

- Built a multivariate linear regression model from scratch.
- Preprocessed data and implemented comparison with sklearn's Linear and Random Forest Regressors.
- Followed open-source practices: code documentation, Git versioning.

Fruit Attack (A game using python) | <https://github.com/richaray/GameUsingPython>

- Developed a two level game using Python.
- Demonstrated proficiency in game loops, event handling, and graphics rendering.

Data Analysis | <https://github.com/richaray/DataAnalysis>

- Cleaned and analyzed a dataset of mobile phone features.
- Visualized trends and insights using matplotlib and seaborn.

Skills and Competencies

Languages: C++, C, Java, Python

Libraries/Frameworks: Scikit-learn, TensorFlow, PyTorch

Tools: Git, GitHub, Jupyter Notebook, PyCharm

Concepts: Regression, Neural Networks, Clustering, Reinforcement Learning

Soft Skills: Communication, Presentation, Team Collaboration

Achievements

- **3rd position in Yuvamanthan Hackathon 2024** Idea Pitching contest
- **School Topper** - Class 12th Board Exam(95%) in year 2023
- **School Topper** - Class 10th Board Exam(97%) in year 2020
- **Cleared JEE Advanced (2023)**

Social Engagements

Google Developers Group : Core AI/ML member of Google Developers Group on campus NIT Mizoram

Class Representative: Elected representative for the CSE branch since first year (2023-Present)

Participant : Yuvamanthan Model United Nations Program, represented [Ambassador/South Korea] and participated in discussions on global issues (2023)

Participant: Participated in Yuvamanthan Hackathon 2024 Software Development Contest.