

# Maulic Gola

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## Education

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| <b>VIT Bhopal University</b><br><i>Bachelor of Technology in Computer Science and Engineering(CGPA: 8.6/10)</i> | Oct 2022 - May 2026<br>Bhopal, MP           |
| <b>J.L.D.A.V. Sr. Sec. School</b><br><i>Higher Secondary Examination(Class XII) - 84.6 percentage</i>           | April 2021 - April 2022<br>New Delhi, Delhi |
| <b>J.L.D.A.V. Sr. Sec. School</b><br><i>Higher School Examination(Class X) - 91 percentage</i>                  | April 2019 - April 2020<br>New Delhi, Delhi |

## Technical Skills

**Languages:** C++, Java, Python(Numpy, Pandas), HTML, SQL, Tailwind, JavaScript, React  
**Technologies:** Python, Scikit-Learn, TensorFlow, PyTorch, Django, Flask, Bootstrap, OpenModelica, PyQt5, OMEdit, MySQL, SQLite  
**Concepts:** Object-Oriented Programming system, Data structures, Algorithms, Operating system, Monitoring system, Computer Networks, Artificial Intelligence, Machine learning, Neural Networks, API, Generative AI  
**Cetrifications and Training:**  
Applied Machine Learning in Python - University of Michigan (Coursera)  
Privacy and Security in Online Social Media - IIT Madras (NPTEL)  
Gen AI Using IBM Watsonx - IBM  
OCI Data Science Professional - Oracle

## Projects

### Breast Cancer Detection Model Using Supervised Machine Learning | Python, Scikit-Learn

- Developed a machine learning model to classify breast cancer tumors as malignant or benign.
- Led data preprocessing by cleaning, transforming, and preparing raw data to ensure high-quality inputs for model training and evaluation.
- Achieved high accuracy and improved detection rates; findings contributed to the development of an effective breast cancer detection system.

### Fake Currency Detection Using K-Nearest Neighbors | Python, Scikit-Learn

- Developed a model using K-Nearest Neighbors to enhance the accuracy of fake currency detection.
- Achieved improved accuracy and speed in detecting counterfeit currency; findings demonstrated the effectiveness of integrating ML with traditional methods

### Python Desktop App for Open-Modelica | OpenModelica, Python, PyQt5, OMEdit

- Developed a desktop application to simulate and analyze dynamic systems using OpenModelica, focusing on model creation, editing, and result visualization.
- Developed simulation models, integrated OpenModelica libraries, and enhanced the user interface.
- Improved system modeling efficiency and user experience for complex engineering simulations.

## Extracurricular

- Solved 300+ questions on different platforms like CodeChef, GeeksforGeeks, LeetCode etc.
- Acquired various certifications and has good coding experience as participated in numerous hackathons.
- Participated in AdVITya (Intra-University Badminton event); regularly plays Badminton and Football.

## Activities

### AI Club, VIT Bhopal | Member of Research Team

- Collaborated with team to conduct research on emerging trends and technologies in the AI Industry.
- Acquired communication, collaborative teamwork, and efficient time management skills via active involvement in AI club activities.