

# OM ROY

omroysatna2005@gmail.com | +919950882655 | Near New Radiance English School

**CodeForces** | **GitHub** | **LeetCode** | **Linkedin** | **HackerRank**

## EDUCATION

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### VIT Bhopal University

Computer Science With Artificial Intelligence And machine Learning B.tech

Sep 2023 - Aug 2027

GPA: 8.8

## EXPERIENCE

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### Crop Predicton Model | Project Lead

Sep 2024 - Jan 2025

A Crop Prediction Model uses AI/ML to analyze soil, weather, and historical data to recommend the best crop for a given region. It enhances agricultural productivity by providing data-driven insights, reducing risks, and helping farmers make informed decisions for better yield and sustainability.

### Hydroponics System integrated with IoT | Project Lead

Feb 2025 - Apr 2025

An IoT-integrated Hydroponics System is a smart, soil-less farming method that uses sensors to monitor and control factors like water flow, pH, temperature, and nutrients in real time. It enables automation, remote monitoring, and data-driven optimization, ensuring efficient resource use and improved plant growth.

## SKILLS

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Programming Languages:	C++, Node JS, Express JS, HTML, CSS, Python, Java
Libraries/Frameworks:	Scikit Learn, Tensorflow, Keras, Numpy, Pandas, Seaborn
Tools / Platforms:	GIT, VS code
Databases:	MYSQL, MongoDB

## PROJECTS / OPEN-SOURCE

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### CPP Programming | Link

C++

C++ Programming Contribution includes developing algorithms, optimizing performance, enhancing libraries, contributing to open-source, writing tutorials, and participating in coding contests.

### Stock Market | Link

Python,HTML,CSS

The Stock Market is a financial platform where investors buy and sell shares of publicly traded companies. Prices fluctuate based on market trends, economic factors, and company performance.

### Crop Prediction Model | Link

Python, HTML,CSS

A Crop Prediction Model uses AI/ML to recommend the best crop based on soil, weather, and historical data, helping farmers optimize yield.

### Web Development First Contribution | Link

HTML,CSS

HTML & CSS First Contribution involves building or improving web pages by structuring content with HTML and styling with CSS, including layout design, responsiveness, and UI enhancements.

## CERTIFICATIONS

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- Microsoft AI Skills Challenge - **Microsoft**
- Python Basic Certificate - **HackerRank**
- AI For Beginners - **HpLife**
- Domestic Data Entry Operator - **IT-ITeS Sector Skill Council NASSCOM**

## HONORS & AWARDS

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- Vultr Finalist
- Neural Nexus Finalist