

# Rishi Singh

+91-7007789928 | singhrishi042@gmail.com | Bhopal, India |  
linkedin.com/in/rishi-singh | github.com/Rishisingh10

## PROFESSIONAL SUMMARY

B.Tech student specializing in Artificial Intelligence and Machine Learning with strong foundations in Python, convolutional neural networks, and system design. Experienced in developing computer vision models and simulation-based optimization systems inspired by real-world industry challenges. Active leader and communicator through Toastmasters International.

## EDUCATION

<b>VIT Bhopal University</b>	2023 – 2027
<i>B.Tech in Computer Science and Engineering (AI/ML) – CGPA: 8.12</i>	
<b>City Montessori School, Lucknow</b>	2022
<i>Class XII (ISC) – 92.5%</i>	

## TECHNICAL SKILLS

**Languages:** Python, Java

**Machine Learning:** CNNs, Image Classification, Model Evaluation

**Tools:** TensorFlow, OpenCV, Scikit-learn, Pandas, Git

**Core CS:** Data Structures, Algorithms, OOP, DBMS

## PROJECTS

### Plant Disease Detection using CNN

*Python, CNN, Computer Vision*

Developed a convolutional neural network to classify plant leaf diseases from images for early-stage agricultural diagnosis.

Applied image preprocessing, feature extraction, and supervised learning to improve model performance.

Demonstrates practical application of deep learning to real-world computer vision problems.

**GitHub:** <https://github.com/Rishisingh10/PlantDiseaseCNN/tree/master>

### Flight Crew Scheduling System (Airline Operations)

*Python, Pandas, Simulation*

Built a flight crew scheduling simulation inspired by operational challenges faced by airlines like Indigo during crew shortages and duty-hour disruptions.

Modeled real-world constraints such as crew roles, base airports, and maximum duty hours to minimize delays and cancellations.

Demonstrates how data-driven scheduling systems can improve airline operational efficiency and crew utilization.

**GitHub:** <https://github.com/Rishisingh10/FlightScheduling.git>

## LEADERSHIP & EXPERIENCE

### Club Secretary

*Toastmasters International*

Elected Club Secretary responsible for club administration, documentation, and meeting coordination.

Strengthened leadership, public speaking, and organizational skills through structured Toastmasters programs.

Sep 2025 – Present

*Bhopal, India*

## CERTIFICATIONS

OCI 2025 Certified Generative AI Professional – Oracle

MySQL HeatWave Implementation Certified Associate – Oracle