

# Darshnik Rohal

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## EDUCATION

### BTech in Computer Science

Minor in Artificial intelligence and Machine Learning • VIT Bhopal University • Bhopal, Madhya Pradesh • May 2026 • 9.00/10

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## PROJECTS

### Heart Disease Prediction using Boruta Feature Selection Algorithm

December 2023 — February 2023

- Engineered a machine learning model utilizing the Random Forest Classifier in Python, achieving an accuracy of 98.6%.
- Applied the Boruta Feature Selection Algorithm to rigorously extract 118 significant features from the dataset. Subsequently, leveraged these features to train a Random Forest Classifier, enhancing the model's accuracy and performance.
- Prepared a comparative analysis of various classifiers, identifying the Random Forest Classifier as the most optimal.

### Facial Recognition Attendance System

July 2023 — August 2023

- Spearheaded a state-of-the-art Facial Recognition system using Python, OpenCV, NumPy, csv, and os modules, achieving 95% accuracy in identifying faces and reducing authentication time by 50%.
- Developed and implemented an Excel sheet designed to efficiently store and manage detailed records of employee names and their reporting times. This system ensures accurate tracking and easy retrieval of employee attendance data, enhancing overall organizational efficiency and record-keeping accuracy.
- Successfully executed the implementation of the system in our classroom, efficiently managing and handling data for over 140 students. This involved accurately capturing, storing, and organizing student information, ensuring seamless operation and data integrity.

### Artificial Intelligence Road Detection System

Omdena VIT BHOPAL local chapter • April 2023 — June 2023

- Contributed to the project by collecting 1,200 raw images and accurately annotating over 600 images.

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## INVOLVEMENT

### Volunteer

PAHAL Initiative 2023 • December 2023 - present

- The PAHAL Initiative is a teaching program dedicated to educating underprivileged children.
- Directed a class of over 30 students, facilitating their learning in more than 5 subjects, including science, mathematics, English, art, and music.

### HR

Cisco Community VITB • September 2023 - present

- Successfully operated over 30 interviews and orchestrated multiple screening rounds.
- Collaborated with 7 different teams with 40 members in the core team.

### Student Coordinator

RTASCE 2023 • July 2023

- Coordinated and led an International Conference on Recent Trends in Applied Sciences and Computer Engineering.
- Organized a 3-day event featuring diverse participants and prominent national and international experts.

### Event Manager

Advitya 2023 • March 2023

- Oversaw and supervised Advitya 2023, a techno-cultural event.
- A 3-day event with over 25+ events consisting of both technical and cultural events.

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## CERTIFICATIONS

### Data Analytics Essentials

Cisco

### Applied Machine Learning Using Python

Michigan University - Coursera

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## SKILLS

Python, C++, SQL, MS Excel, Tableau, HTML, CSS, JavaScript

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