

# RAJASHREE RAJALAXMI ROUT

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Bhubaneswar, Odisha - 751024, Odisha

## OBJECTIVE

Aspiring AI and Machine Learning professional with a strong passion for developing innovative solutions to complex problems. Skilled in designing, implementing, and optimizing intelligent systems to drive automation, efficiency, and decision-making. Seeking to contribute my expertise in data analysis, deep learning, and model deployment to impactful projects that leverage AI and ML for real-world applications.

## EDUCATION

- Kalinga Institute of Industrial Technology** 2021 - 2025  
BTech in Computer Science Engineering Bhubaneswar, Odisha
- Loyola School** 2018 - 2020  
12th Class Bhubaneswar, Odisha
- Loyola School** 2013 - 2018  
10th class Bhubaneswar, Odisha

## INTERNSHIPS

- Central Tool Room and Training Centre** September 2024 - Present  
Graphic Web Designing Bhubaneswar, India
- Central Tool Room and Training Centre** [🔗] September 2024 - October 2024  
Data Analytics Remote
- Central Tool Room and Training Centre** [🔗] August 2024 - September 2024  
Artificial Intelligence and Machine Learning Remote
- Central Tool Room and Training Centre** [🔗] May 2024 - June 2024  
Python Remote
- Central Tool Room and Training Centre** [🔗] May 2024 - June 2024  
Core JAVA Remote

## PROJECTS

- Face Detection System:** September 2024  
Tools: Computer Vision, ML, Deep Learning, CNN
  - Developed a real-time face detection system for enhanced security in public spaces, utilizing deep neural networks.
  - Implemented convolutional neural networks (CNNs) for accurate detection of facial features, achieving an accuracy of 95 percent on benchmark datasets.
  - Applied transfer learning to analyze facial variations across diverse demographics, enabling robust detection in challenging scenarios.
- Leaf Disease Detection:** September 2024  
Tools: AI, Deep Learning, Mapping, Computer Vision, CNN
  - Developed an automated leaf disease detection system for early identification and prevention of crop diseases, improving agricultural productivity.
  - Implemented convolutional neural networks (CNNs) for accurate classification of diseased and healthy leaves, achieving a detection accuracy of 95 percent on diverse crop datasets.
  - Created a pre-processing pipeline for image augmentation, ensuring robust model performance under varying lighting and environmental conditions.

## SKILLS

- Programming Languages:** Python, JAVA, C
- Web Technologies:** HTML, CSS, JavaScript
- Database Systems:** MySQL
- Data Science & Machine Learning:** TensorFlow, Python, Tableau, NumPy, Pandas, MATLAB, Matplotlib, Scikit Learn, Jupyter Notebook
- Specialized Area:** AI, Machine Learning, Deep Learning, Web Designing, Graphic Designing, Data Analytics
- Mathematical & Statistical Tools:** MS Excel, R
- Research Skills:** Data interpretation, Critical thinking, Problem-solving

CERTIFICATIONS

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- **Introduction to Business Analytics: Communicating with Data** *September 2024*
- **Financial Accounting: Foundations** *August 2024*
- **Introduction to Business Analytics with R** *September 2024*

ADDITIONAL INFORMATION

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**Languages:**English, Hindi, Odia, French, Bengali  
**Interests:** App Development, UI/UX Designing, History of India, Indian Mythology, Designing  
**Hobbies:** Odissi Dance, Hindustani Vocal, Reading Novels, Acting