

# SADANAND KUMAR

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Odisha, India

## EDUCATION

### Centurion University of Technology and Management

- Bachelor of Technology in Computer Science and Engineering
- CGPA: 8.21

Sep. 2022- Present  
Paralakhemundi, Odisha

- XII (BSEB)  
+2 HIGH SCHOOL KHAIRA, JAMUI  
MARKS : 70.8%

(2019-21)

- X (BSEB)  
+2 HIGH SCHOOL KHAIRA, JAMUI  
MARKS : 68.2%

(2017-19)

## PROJECTS

### Plant Leaf Disease Detection System

May 2024 - April 2025

- Technologies:** Angular, Spring Boot, REST API, MySQL, TensorFlow, NumPy, Python, Java, TypeScript
- Developed a web application leveraging machine learning algorithms to detect and classify plant leaf diseases, enabling users to upload leaf images and receive real-time disease predictions.
- Trained a Convolutional Neural Network (CNN) on a data-set of 61k+ plant leaf images, achieving high accuracy in disease identification using TensorFlow.
- Designed and implemented Restful API using Spring Boot for seamless image uploads and model predictions, ensuring efficient communication between the front-end and back-end.
- Built a responsive and user-friendly front-end using Angular, integrating it with back-end services for a smooth user experience.
- Utilized MySQL for database management to store user data and prediction results.
- Deployed the application on the cloud to ensure scalability, high performance, and accessibility.

## CERTIFICATIONS

- Data Structures and Algorithms using C for Placements by Code-tantra
- Java course for Placements by Code-tantra

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, SQL, JavaScript, TypeScript, C, PHP

**Frameworks & Libraries:** Spring Boot, Angular, Flask, ReactJS, Bootstrap, jQuery

**Databases & Tools:** MySQL, MongoDB, Git, GitHub, Visual Studio Code

**Technologies:** REST AP, Cloud Platforms (AWS basics)

**Concepts:** API Implementation, Database Management, Automation, Microservices Architecture