

SATYA PRAKASH ROUT

BHUBANESWAR, ODISHA

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SKILLS

- **Languages:** C | C++ | Python | Java | HTML | CSS | JavaScript |
- **Frameworks & Tools:** Visual Studio Code | Git | Github | Jupyter Notebook | Flask | Scikit-Learn | NodeJs | React
- **Database:** MySQL
- **Soft Skills:** Teamwork | Critical Thinking | Effective Communication
- **Others:** DSA , ML model generation , AI Tools effective usage

EDUCATION

C.V.Raman Global University , Bhubaneswar, Odisha	2023 - 2027
• B.Tech in Computer Science and Engineering	
Rajdhani Higher Secondary School, Bhubaneswar , Odisha	2020 - 2022
• SCIENCE (Class XII), CHSE	
Beena Bharati Vidya Mandir, Bhubaneswar , Odisha	2019 - 2020
• Class X, BSE	

PROJECTS

Plant Health Detection Using Machine Learning

- Developed an plant disease detection system leveraging facial and ocular recognition using **Python**, **OpenCV**, and **TensorFlow**.
- Designed and trained a **Convolutional Neural Network (CNN)** on preprocessed plant village datasets to classify eye conditions such as virus and fungal leaf.
- Implemented **real-time plant health status prediction**, achieving over **[insert accuracy, e.g., 92%] detection accuracy** in diverse conditions.

E-Commerce Desktop Application (Java Swing)

- Built a modern, interactive shopping application with product search, cart management, and user login features.
- Implemented image rendering, product rating, and dark mode functionality.
- Designed user-friendly UI using Java Swing and AWT with image handling from images/ folder.
- Integrated cart item editing/removal and improved search functionality.

Online Examination System (Java + MySQL)

- Java Swing-based application allowing user registration, login, and timed multiple-choice quizzes.
- Each quiz consists of 10 questions with a 30-second timer and instant result feedback.
- Uses MySQL for managing users and question data efficiently.
- Provides correctness-based result analysis to enhance learning outcomes.
- Designed for educational institutions to conduct secure and interactive online test.

INTERNSHIP

OIBSIP Internship Projects – Oasis Infobyte May 2025 – June 2025

Key Responsibilities:

- A Java Swing desktop app to manage train ticket bookings, cancellations, and passenger data using MySQL.
- Features include ticket management and reservation history along with Interactive GUI.

Tamizhan Skills - RISE Internship (Machine Learning & AI) June 2024 – July 2025

Key Responsibilities:

- A Streamlit-based NLP app using Logistic Regression and TF-IDF to detect emotions from text for chatbots and sentiment tracking.
- An LSTM-based model that forecasts stock closing prices using historical Yahoo Finance data, with an optional Streamlit dashboard.
- A CNN-based AI model using TensorFlow/Keras to recognize plant health condition from plant village dataset with 98%+ accuracy for smart exam tools..

ACHIEVEMENTS

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| • Software Engineering Job Simulation Issued by Accenture via Forage . | June 2025 |
| • Technology Job Simulation Issued by Deloitte via Forage . | June 2025 |
| • Develop a vision-enabled generative AI application via Microsoft . | June 2025 |
| • GenAI Powered Data Analytics Job Simulation Issued by TATA via Forage . | June 2025 |