

# Satyajit Swain

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website - [satyajit-564.github.io/Satyajit-Swain/](https://satyajit-564.github.io/Satyajit-Swain/)

## Summary

Computer Science Engineering student with experience in Java development, data science, and software engineering. Skilled in Python, Java, SQL, and front-end technologies, with a strong foundation in algorithms and machine learning. Completed internships in Java and data science, contributing to data visualization, application development, and AI-driven solutions. A quick learner with strong analytical skills and a passion for solving real-world problems through technology.

## Work Experience

### Java Intern (Oasis Infobyte)(1/2024 - 2/2024)

- Assisted in developing and testing Java-based applications, ensuring code quality and best practices.
- Contributed to the Digital Library Management System, implementing Java, OOP principles, and relevant frameworks.
- Debugged and resolved bugs, enhancing application performance and stability.
- Gained experience with Eclipse, IntelliJ IDEA, Maven, and version control systems like Git.

### Data Science Intern (Prodigy Infotech)(2/2024 - 3/2024)

- Performed data cleaning and preprocessing on large datasets using Pandas and NumPy.
- Developed data visualization dashboards with Matplotlib and Seaborn for actionable insights.
- Applied machine learning algorithms and statistical methods to analyze complex datasets.
- Automated data processing tasks with Python scripts, improving efficiency.

## Project

### JAVA DEVELOPMENT (INTERN) Oasis Infobyte

#### ATM Interface

- Developed a console-based ATM system using Java that simulates banking operations like balance inquiry, withdrawal, deposit, and PIN change.
- Implemented object-oriented programming (OOP) principles to enhance system efficiency and maintainability.

#### Digital Library Management System

- Designed and developed a library management system to handle book inventory, issue books, and track return dates.
- Built an admin panel for managing resources and a user interface for borrowing books.
- Utilized Java and database management to ensure smooth and organized operations.

### DATA Science (INTERN) PRODIGY

#### Data Cleaning & Visualization

- Created data visualization graphics, translating complex data sets into comprehensive visual representations.
- Translated cost and benefits of machine learning technology for non-technical audiences. Identified, analyzed and interpreted trends in complex data sets using supervised and unsupervised learning techniques.
- Used rapid Application Development tactics during programming phases.

## Education

### B.tech in Computer Science Engineering

Institute of Technical Education And Research Bhubaneswar (11/2022 - Pursuing)

#### CLASS XII (PCM)

CBSE BOARDS SBD International School (5/2022)

#### High School

CBSE BOARDS St.Xaviers High School (4/2020)

## Certificate

Certified with python, Infosys - 6/2024

Certified with DataScience, Accenture - 10/2024

Certified with DataScience, Prodigy Infotech- 2/2024

Certified with Java Developer, Oasis Infobyte- 3/2024

## Language

JAVA    Python    HTML    CSS