# Satyabrata Behera

Jajpur, Odisha | mr.satya02@gmail.com | +91 63712 21271 |
linkedin.com/in/satya-brata-behera | github.com/titan-spyer | https://titan-spyer.github.io

## Professional Summary

Aspiring Software Developer and Data Analyst with a strong foundation in Python, Data Structures, and Data Analysis. Passionate about building efficient systems and extracting insights from data. Seeking opportunities to apply problem-solving skills and contribute to impactful projects.

## Technical Skills

**Languages:** Python, C/C++, SQL, HTML5, CSS3

**Frameworks & Libraries:** Pandas, NumPy, Matplotlib, Flask, FastAPI

**Core Concepts:** Machine Learning, Artificial Intelligence, Deep Learning, Speech & Audio Signal Processing, Data Structures & Algorithms (DSA), Backend Architecture, System Design

**Cloud & DevOps:** Git, GitHub, CI/CD

## Projects

**Library Management Backend Engine** | GitHub Jan 2026

- Engineered a modular backend to automate library operations, including inventory, borrowing, and fine calculations.
- Implemented TDD with Pytest and automated CI pipelines via GitHub Actions for code reliability.
- Eliminated manual errors via a custom, validated CSV storage system, ensuring data integrity without database overhead.

**Tech Stack:** *Python, Pytest, GitHub Actions (CI/CD), Custom File Storage*

**AI-Powered Multi-Disease Diagnostic Tool** | GitHub Nov 2025 – Dec 2025

- Developed an ML web app predicting breast cancer, diabetes, and heart disease risks from user inputs.
- Executed end-to-end data pipelines, including EDA, feature scaling, and model training/evaluation.
- Enabled quick, preliminary health risk assessments by building an intuitive Streamlit UI for complex ML models.

**Tech Stack:** *Python, Scikit-Learn, Pandas, Streamlit, Jupyter Notebooks, Gemini AI API*

**Interactive Academic Progress Dashboard** | GitHub Jul 2025 – Sep 2025

- Designed a dynamic web app for students to visually map, update, and track academic subject completion.
- Utilized Streamlit for rapid UI development, focusing on state management and interactive widgets.
- Structured chaotic study schedules into quantifiable goals to optimize time management and reduce exam anxiety.

**Tech Stack:** *Python, Streamlit, Data Visualization, Gemini AI API*

## Achievements & Problem Solving

- Competitive programming background with 80+ problems solved on LeetCode and other platforms to improve algorithmic efficiency.

## Education

**Veer Surendra Sai University of Technology** Odisha
*B.Tech in Electronics and Telecommunication* *2024 – 2027*