

Swatisnigdha Panigrahi

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PROFILE

Motivated and detail-oriented tech enthusiast with a strong foundation in Python, SQL and Microsoft Excel. Experienced in building web-based projects and real-world applications as well as data visualization methods.

EDUCATION

Trident Academy of Creative Technology

Bhubaneswar, Odisha, India

Masters in Computer Applications; CGPA: 9.01

2023 – 2025

Sushilavati Government Women's College

Rourkela, Odisha, India

Bachelor of Science (Honors); CGPA: 7.81

2020 – 2023

Chinmaya Vidyalaya English Medium School, ISC

Rourkela, Odisha, India

Intermediate (Science); Grade: First Class

2018 – 2020

Pragati Public School, ICSE

Rourkela, Odisha, India

Matriculation; Grade: First Class

2018

SKILLS

Technical: Python, SQL, Statistics, Data Visualizations

Tools: Microsoft Office (PowerPoint, Excel)

Version Control: Git, GitHub

CERTIFICATIONS

- Python Industry Oriented Training Certificate – Dec'24
- NPTEL Management Information System – Nov'24
- NPTEL Cloud Computing and Distributing Systems Certification – Apr'24

EXPERIENCE

Cognifyz Technologies

Nagpur, Maharashtra (Remote)

Data Visualization Intern

June 2025 – Present

- Created dashboard-ready visuals meeting top industry standards.
- Transformed raw data into clear stories for smarter decisions.
- Executed data analysis using Excel with PivotTables, COUNTIF, and histograms.
- Analyzed gender distribution and investment trends using dynamic charts.
- Used doughnut and radar charts to highlight goals and source patterns.
- Delivered user insights through histograms and comparative visuals.
- Built scatter matrices and bubble charts to uncover variable correlations.

PROJECTS

Graphical Password Authentication System

Jan 2025 – May 2025

- Developed a secure image-based authentication system using Python, Tkinter, and MySQL, replacing traditional passwords with a dynamic multi-image grid to boost usability and security.
- Integrated session-based image randomization, encryption, and admin dashboard features to enhance login protection, credential management, and auditability.
- Ensured system reliability through unit testing, while demonstrating proficiency in secure GUI development, database integration, and authentication protocols.