

Satyam Swaraj

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EDUCATION

Bachelor of Computer Science and Engineering (VIT) | CGPA - 8.21/10

Sept 2023 – Ongoing

Class XII – Jeewan Public School – Percentage – 74%

June 2021 – June 2022

Class X – Jeewan Public School – Percentage – 79.40%

June 2019 – June 2020

EXPERIENCE

1. Mathematics Tutor | Self-Employed | 2016 – Present

2. Advitya 2025– Core Team (22nd Feb 2025 – 24th Feb 2025)

My University host the inter-college sports fest. I am the lead of ground force team of Advitya 2025 sports fest.

My work is to maintain the decorum of our sports fest.

3. Advitya 2025– Core Team (22nd Feb 2025 – 24th Feb 2025)

I am the part of core team of Advitya 2025 cultural fest especially the press report team. My work is to check the report submitted by all the technical and non-technical clubs of VIT Bhopal.

PROJECTS

1. COVID-19 Mortality Rate Analysis

- Used Python, SQL, Pandas, Matplotlib, and Seaborn to analyze 500,000+ data points.
- Developed predictive models for regional outbreak trends.

2. Netflix Movie Recommendation System

- Built a content-based filtering system using Python, Scikit-Learn, NLP, and Pandas.
- Improved recommendation accuracy by 20% using advanced clustering techniques

3. Walmart Sales Forecasting & Analysis

- Designed ML models (ARIMA, LSTM) to predict sales trends with a 25% improvement in accuracy.
- Conducted sentiment analysis on 10,000+ customer reviews to assess market demand.

TECHNICAL SKILLS

- **Programming:** Java, Python, SQL, C++, JavaScript, HTML, CSS

- **Software Development:** Data Structures, Algorithms, REST APIs, Agile Development, Object-Oriented Programming (OOP)

- **Data Science & Analytics:** Machine Learning, Deep Learning, NLP, Data Visualization, Predictive Modeling

- **Databases:** MySQL, PostgreSQL, MongoDB

- **Tools:** Git, Power BI, Jupyter Notebook, Docker, AWS, Linux, VS Code

- **Soft Skills:** Problem-Solving, Critical Thinking, Team Collaboration, Time Management

ACHIEVEMENTS

- I am also the part of EV Club of my college as event management lead and discipline lead.
- Consistently take part in College Hackathon.
- GFG College Rank: 1438.
- Achieved top grades in Database Management Systems (DBMS) and Operating System.
- Runner-Up in Intra-College Cricket Tournament.