

**SANDEEP SOLANKI**  
**Data Analyst | Python Developer**

📍 Noida, Uttar Pradesh

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## SKILLS SUMMARY

- **Languages:** Python, SQL
- **Frameworks/Libraries:** Pandas, NumPy, OpenCV, Matplotlib, Seaborn
- **Tools:** MS Excel, Power BI, Tableau, GitHub
- **Databases:** MySQL, MS SQL Server
- **Concepts:** DAX, Data Cleaning, Dashboard Development
- **Soft Skills:** Problem-Solving, Communication, Stakeholder Collaboration

## WORK EXPERIENCE

**Data Analyst Intern** – Computronics Systems | *May 2023 – July 2023*

- Designed interactive Excel dashboards to visualize sales trends, enabling faster decision-making.
- Wrote optimized SQL queries for cleaning and analyzing datasets, reducing processing time by **20%**.
- Collaborated with stakeholders to present actionable insights, improving strategy formulation.

## PROJECTS

**Handwritten Text Recognition System** (*Python, CRNN, OpenCV*)

- Built a CRNN (CNN + RNN + CTC Loss) model to convert handwritten text images into editable text.
- Applied preprocessing techniques (resizing, normalization, noise removal) to improve recognition accuracy.
- Deployed as a Python application for end-user usage.

**YOLO Object Detection** (*Python, YOLOv5, Ultralytics*)

- Developed a real-time object detection system capable of recognizing multiple objects in live video feeds.
- Integrated Ultralytics YOLOv5 for high accuracy and speed.

### **Image to Pencil Sketch** (*Python, OpenCV*)

- Created a Python tool to convert any image into a pencil sketch using edge detection and grayscale processing.

### **Crime Analysis Dashboard** (*Power BI, DAX*)

- Designed an interactive dashboard to analyze Indian crime data by year, state, and type.
- Utilized slicers and DAX for dynamic filtering, helping identify high-crime regions.

### **Covid-19 Data Analysis** (*Python, SQL, Power BI*)

- Analyzed global COVID-19 trends using Pandas and SQL, visualized case and recovery rates in Power BI.
- Cleaned and processed large datasets for accurate trend insights.

### **Sales Analysis Dashboard** (*Power BI, Excel*)

- Built dashboards to track KPIs like total sales and profit margins.
- Incorporated Pivot Tables, DAX, and conditional formatting to identify top-performing products **30% faster**.

### **SQL Sales Analysis** (*SQL, Excel*)

- Analyzed **100k+ rows** of sales data using joins, subqueries, and aggregation functions.
- Generated detailed reports for business decision-making.

## **EDUCATION**

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**B.Tech in AI & Robotics** – Madhav Institute of Technology & Science, Gwalior

*Dec 2020 – 2024* | CGPA: 7.0

**12th (Mathematics)** – Sant Poul Convent School, Banmore

*May 2019* | Percentage: 72%

**10th** – Sant Poul Convent School, Banmore

*May 2017* | Percentage: 67%

## **CERTIFICATIONS**

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- Data Analyst – Ducat IT Training School (Noida)
- Excel – Jobaaj Learning