

SWAPNIL MISHRA

Data Scientist | AI & ML

+91 7024560895 ◇ Ameerpet, Hyderabad, Telangana 500016
swapnilmishrak2230@gmail.com [GitHub](#) [LinkedIn](#)

PROFILE SUMMARY

Results-driven Data Scientist skilled in Python, SQL, Machine Learning, Deep Learning, NLP, and Computer Vision, with hands-on experience in YOLOv11, BERT, and Generative AI. Proficient in data preprocessing, feature engineering, model development, and deployment on platforms like Hugging Face Spaces and Render. Adept at delivering scalable, data-driven AI solutions that enhance decision-making, improve efficiency, and drive measurable business growth.

EDUCATION

Data Science (Certificate) Naresh IT Hyderabad	Feb - Aug 2025
Master of Computer Application (Computer Application) Awadhesh Pratap Singh University, Rewa (M.P.) CGPA: 7.59 / 10.0	2023 - 2025
Bachelor of Science (Mathematics) Awadhesh Pratap Singh University, Rewa (M.P.) Percentage: 70%	2020 - 2023

PROJECTS

Unified Computer Vision Platform	Apr 2025
<ul style="list-style-type: none">Developed and deployed a multi-task YOLOv11 computer vision application using Streamlit, supporting object detection, segmentation, classification, and pose estimation in a single platform.Implemented real-time inference pipelines for images, videos, and webcam streams, with analytics features that include object counts, FPS tracking, and inference time monitoring to enhance performance evaluation.Deployed on Render with a scalable, responsive user interface, supporting batch uploads, result exports (CSV, JSON, ZIP), and theme customization, ensuring accessibility and improved user experience.	
Customer Feedback Sentiment Analyzer	May 2025
<ul style="list-style-type: none">Built an NLP model to predict churn based on ecommerce product reviews, improving prediction accuracy from 82% to 91% and reducing customer loss risk by 15.Fine tuned a BERT transformer on a labeled dataset of churn vs. non churn.Classified reviews to identify churn signals and at risk customers.Evaluated using accuracy, precision, recall, and F1 score; generated actionable retention insights.	
AI Personal Email Assistant	Jul 2025
<ul style="list-style-type: none">Built an AI powered email assistant integrating Gmail, Google Calendar, and Slack for automated email management.Implemented Generative AI to summarize emails, write replies, and extract meeting details.Automated calendar scheduling by detecting the intent of meetings and creating events using the Google Calendar API.Developed a Slack bot to deliver real-time priority email alerts to specific channels.Designed a Streamlit-based interface with an SQLite backend for efficient email search and retrieval.	

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL
- **Machine Learning:** ScikitLearn
- **Deep Learning:** TensorFlow, Keras, Yolo, OpenCv
- **NLP :** BERT, Transformers
- **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Statistics, EDA
- **Web Development & Deployment:** Streamlit, Huggingface Spaces, Render
- **Tools & Platforms:** Jupyter, VS Code, Git, PyCharm, Power BI
- **Productivity Tools:** Excel, Notepad

CORE COMPETENCIES

- Data Wrangling & Preprocessing
- Feature Engineering
- Model Development & Evaluation
- Predictive Modeling
- Natural Language Processing
- Data-Driven Decision Making
- Problem-Solving & Critical Thinking

LANGUAGES

- English
- Hindi

INTERESTS

- Book Reading
- Thinking of New Things