

Manas Pandey

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PROFESSIONAL SUMMARY

Aspiring Data Scientist and Software Engineer with hands-on experience in data analysis, machine learning, and full-stack project development. Seeking a dynamic role where I can contribute to building scalable, data-driven solutions while continuing to grow my technical and analytical skills in a collaborative environment.

EDUCATION

Bachelor of Technology (B.Tech), Computer Science Engineering 2021 – 2025
Sunder Deep Engineering College, Ghaziabad CGPA: 7.8/10

- Relevant Coursework: Data Structures, DBMS, Operating Systems, Machine Learning, Data Analytics, Computer Networks

PROFESSIONAL EXPERIENCE

AI/ML Developer – Vinayan India Consulting & Services Pvt. Ltd., New Delhi May 2025 – Present

- Created ML models for automation tasks.
- Built dashboards using Streamlit and Python.
- Connected APIs for real-time data and results.
- Worked with teams to solve business problems using data.

INTERNSHIP EXPERIENCE

Data Science Intern – Centre for Railway Information Systems (CRIS) July 2024 – September 2024

- Explored key concepts of data science lifecycle with hands-on projects.
- Cleaned, preprocessed, and transformed real-world data for analytics.
- Implemented ML algorithms to generate actionable insights.
- Worked closely with industry mentors to develop predictive models.

PROJECTS

- 1. AI-Based CCTV Event Summarizer**
Developed a real-time video analysis system using Python, OpenCV, and YOLOv8. Summarized events and anomalies with a Streamlit dashboard. Reduced manual review effort by over 60%.
- 2. Waste Classification Using CNN**
Built a CNN model using TensorFlow and Keras to classify dry vs. wet waste with 92% accuracy. Applied data augmentation and F1-score evaluation.
- 3. Movie Recommendation System**
Created a hybrid recommendation engine using Flask, Pandas, Streamlit, and cosine similarity. Deployed interface for real-time suggestions.
- 4. Power BI Sales Dashboard**
Designed interactive dashboards in Power BI. Used DAX and Power Query to visualize KPIs and enable data-driven business decisions.
- 5. Customer Management System**
Developed a GUI desktop app using Python Tkinter and MySQL with CRUD functionality, form validation, and exception handling.

TECHNICAL SKILLS

- Programming Languages:** Python, C, C++
- Libraries/Frameworks:** Pandas, NumPy, Matplotlib, Seaborn, TensorFlow, Keras
- Web Scraping:** Data extraction using BeautifulSoup, Requests, Selenium
- Machine Learning:** Regression, Classification, Clustering, CNN, RNN
- NLP:** Tokenization, POS Tagging, Text Classification
- Tools:** Jupyter, Spyder, Tableau, Power BI, MS Excel, Git, Linux

- **Databases:** MySQL, MongoDB, SQL Server
- **Frontend:** HTML, CSS, React.Js
- **Cloud Platforms:** Microsoft Azure, Google Cloud Platform
- **Other Skills:** OOPs, DBMS, CN, OS, DSA
- **Soft Skills:** Teamwork, Leadership, Communication, Problem Solving

CERTIFICATIONS

- Python for Data Science – *NPTEL*
- Data Scientist Role Preparation – *Ducat IT India Pvt. Ltd. (Pursuing)*
- Career Edge: TCS iON Young Professional Program
- HackerRank – *4 in Python, 3 in SQL*
- LeetCode – *Problem Solver (Data Structures ,Python and SQL)*
- Google Data Analytics – *Coursera (Google)*

WORKSHOPS & ACHIEVEMENTS

- Participated in National Workshop on Data Analytics at **IIT Delhi**
- Co-Coordinator, College Tech Fest – Managed 1500+ participants and 20+ events

LANGUAGES KNOWN

- English, Hindi