

Chandan Malakar

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SUMMARY

Motivated Computer Engineering student with strong foundations in **AI, Python, data analytics**, and machine learning. Currently interning at UNIDIF Consulting, analyzing real-time factory data using SQL and Python. Passionate about **research-driven AI development** and eager to contribute and explore open-source models in cutting-edge hardware environments.

WORK EXPERIENCE

Data Analyst Intern | UNIDIF Consulting • 05/2025 – Present (3 months)

- Analyzed manufacturing production data using Python, NumPy, and Pandas to identify process inefficiencies and optimize production workflows.
- Performed root cause analysis on defects using statistical techniques and presented insights to leadership.
- Created comprehensive data visualizations with Seaborn and Matplotlib to present manufacturing trends and performance insights to management.
- Collaborated with technical teams on **root-cause** analysis.

PROJECT

Twitter Sentiment Analysis | Live Demo | Source Code

- Built a sentiment analysis model to classify tweets as positive, negative, or neutral using TF-IDF and Logistic Regression (F1-score: ~0.88).
- Applied text preprocessing techniques including stopword removal and stemming with PorterStemmer.
- Deployed the model via Streamlit to enable real-time sentiment prediction through a user-friendly web interface.

Laptop Price Predictor | Live Demo | Source Code

- Collected and cleaned a dataset of laptop specifications (brand, processor, RAM, storage, GPU, OS, etc.).
- Performed **data preprocessing** (handled missing values, removed outliers, formatted columns).
- Built a user-friendly web interface using Streamlit for users to input laptop specifications and receive price predictions instantly.

SKILLS

Languages & Tools: Python (NumPy, Pandas, Scikit-learn), SQL (MySQL), Git, Jupyter, VS Code

ML & AI: Supervised ML, NLP, Feature Engineering, Model Evaluation, Deployment

Data Processing: Data Analytics, Data Wrangling, Data Visualization

Libraries: Seaborn, Matplotlib, Scikit-learn

Deployment: Streamlit, Flask, Render, PythonAnywhere

Soft Skills: Problem-solving, Research Mindset, Teamwork, Curiosity, Communication

EDUCATION

Aarupadai Veedu Institute of Technology, Chennai, TN

B.E, Computer Science Engineering

CGPA: 9.4 (till 3rd Year/5th Semester)

JKS Inter College of Commerce, Jamshedpur, JH

Higher Secondary

Aug 2020 - May 2022

CERTIFICATIONS

MongoDB Certification: MongoDB

Hands On Python Data Science: Udemy

Data Visualization with Python: IBM

ACHIEVEMENTS

Executive Committee member of Spectra XR Club initiated by IIT Madras.

Rank 1 holder till 3rd Year in academics.