Chandan Malakar

Machine Learning Intern

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SUMMARY

I'm a final-year student with hands-on internship experience in data analysis. I love working with data, not just exploring it and finding insights but also building models that help solve real-world problems. I'm excited to keep learning and contribute to a team where data is at the heart of what they do. Passionate about research driven AI development and eager to contribute and explore opensource models in cutting-edge hardware environments.

WORK EXPERIENCE

Data Analyst Intern, UNIDIF ® CORP, Jamshedpur, India   **May 2025 — Present**
- 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.

EDUCATION

Aarupadai Veedu Institute of Technology, **Chennai, India** - *B.E, Computer Science Engineering - (GPA: 9.4 (till 3rd Year/5th Semester))*   **Aug 2022 — Present**

JKS Inter College of Commerce, **Jamshedpur, India** - *Higher Secondary, Computer Science*   **Jun 2020 — Jul 2022**

CERTIFICATIONS

IBM SkillsBuild Winter Certification Program - Data Analytics, CSRBOX   **Dec 2024**
Hands On Python Data Science - Data Science Bootcamp, Udemy   **Nov 2024**
Data Visualization with Python, Cognitive Class   **Jun 2024**
AWS Academy Graduate - Introduction to Cloud, AWS   **Sep 2023**

ACHIEVEMENTS

Executive Committee member of Spectra XR Club, IIT Madras

Rank 1 holder till 3rd Year in academics.

Attended workshops and conferences on AI and Data Science, Research building

Technical blogs and articles on LinkedIn and Medium covering Smart Farming technology using AI.

Walmart–IITM Conference & Workshop at IIT Madras (ML Pipelines using Mango Platform)

Attended Intel Unnati Industrial Training - 2024

PROJECT

Laptop Price Predictor, Link
- 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.

Twitter Sentiment Analysis, Link
- 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.

SKILLS

Programming Languages	:	Python, C++
Machine Learning	:	Supervised ML, NLP, Feature Engineering, Model Evaluation, LLM, RAG
Data Processing	:	Data Analytics, Data Wrangling, Data Visualization, ETL
Deployment	:	AWS, AWS CodePipeline, AWS Identity And Access Management (IAM), AWS EC2, Elastic Beanstalk, Streamlit, Vercel, Render
Libraries & Tools	:	NumPy, Pandas, Scikit-learn, Seaborn, Matplotlib, Git, Jupyter, VS Code, MySQL Workbench, HuggingFace Transformers, ChromaDB, Ollama
Soft Skills	:	Problem-solving, Research Mindset, Curiosity, Communication, Team Collaboration, Active Learning