Rohith Palyam

Data Science Intern | Data Analyst | Machine Learning Engineer

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Professional Summary

Results-oriented Computer Science undergraduate (B.Tech CSE-AI, May 2025) with expertise in data science, machine learning (ML), deep learning (DL), and natural language processing (NLP). Proven track record of building impactful, data-driven applications and delivering scalable AI solutions. Skilled in Python, SQL, and industry-leading tools like TensorFlow, Keras, and PyTorch. Seeking an opportunity to leverage technical expertise in a data-focused role to drive innovation and business growth.

Technical Skills

Programming Languages: Python, JavaScript, C, Java
Data Science AI Tools: TensorFlow, Keras, PyTorch, scikit-learn, pandas, numpy, matplotlib, seaborn, plotly, spaCy, NLTK, transformers, pycaret, streamlit, flask
Database Management: MongoDB, MySQL, SQLite
Machine Learning: Supervised and Unsupervised Learning, Deep Learning, NLP, Computer Vision
Other Skills: Power BI, Excel, Git, Jupyter Notebook, Cloud Computing, Data Visualization

Experience

Data Visualization Intern – Tata Consultancy Services (TCS)   Apr–May 2025

- Developed interactive dashboards using Power BI and Excel, enabling data-driven decision-making.
- Analyzed large datasets and visualized trends using Python libraries (Matplotlib, Seaborn), improving reporting efficiency by 30%.

AI Intern – Vital Skills, IIT Kanpur   Apr–May 2024

- Designed and implemented ML/DL models for facial validation and pattern recognition, enhancing security protocols.
- Applied computer vision techniques to develop real-time applications, improving accuracy by 25%.

Projects

Research Paper Abstract Matcher   GitHub

- Implemented TF-IDF and embedding-based algorithms to match research paper abstracts with relevant papers, achieving 90% accuracy.
- Utilized cosine similarity and MongoDB for efficient storage and retrieval.

AI YouTube Summarizer and Chat Assistant   GitHub

- Created a Streamlit app that uses large language models (LLMs) to summarize YouTube video transcripts, providing Q&A interaction.
- Enabled exporting summarized content to PDF, enhancing user experience.

AI Resume Screener and Interview Assistant   GitHub

- Designed an AI-powered resume analyzer to score resumes for ATS relevance and provide interview simulations, increasing recruitment efficiency by 40%.

Smart Exam Management System   GitHub

- Developed an exam validation platform utilizing OpenCV and DeepFace for biometric verification and attendance tracking.
- Automated report generation, reducing administrative time by 50%.

Education

Bachelor of Technology in Computer Science and Engineering (AI)
Madanapalle Institute of Technology and Science, Andhra Pradesh   Dec 2021 – May 2025
Master's in Data Science (Professional Program)
Intellipaat Training Center, Bengaluru   Feb 2024 – Mar 2025

Certifications

- Simplilearn: Introduction to Data Science, Business Intelligence, Excel BI
- Microsoft: Data Analyst 101
- Scaler: Supervised/Unsupervised ML, SQL, DBMS, EDA, Math for ML
- edX: Deep Learning, HP: Intro to AI, Udemy: ML Bootcamp

Online Courses

- Internshala: Python for DS, Generative AI, Power BI, Excel, SQL, Advanced ML
- NPTEL: Python for DS, Java Programming