Megha Mittal

Pilani, Rajasthan, India | Mobile: +91 9352902620
mittalmegha2119@gmail.com |https://www.linkedin.com/in/mittal-megha/

ABOUT

I am an aspiring Data Scientist with a strong background in research, team management, and leadership. My experience in various projects has allowed me to refine my analytical skills and gain valuable insights. As a quick and eager learner with a proactive approach to learning, I am dedicated to tackling intricate challenges and fostering innovation. I am excited about the opportunity to join a dynamic team where I can apply my expertise and make meaningful contributions.

EDUCATION

NIIT University, Neemrana September,2021 - June,2025
Bachelor of Technology – Computer Science Engineering with specialization in Data Science | CGPA: 9.43

Birla Shishu Vihar, Pilani April,2018 - April,2020
Senior-Secondary Education | Percentage: 94.4%

WORK EXPERIENCE

Data Science Intern | Oasis Infobyte | Offer Letter June,2024 - July,2024

- Sales Prediction: Utilized Linear Regression, Decision Trees, and Random Forest to forecast sales, assessing accuracy with MAE and RMSE. Used Pandas, NumPy, Scikit-Learn, and Matplotlib for data-driven marketing strategies.
- Email Spam Detection: Developed a system with Naive Bayes, SVM, and Logistic Regression using NLTK and Scikit-Learn. Achieved a high reduction in spam through enhanced filtering accuracy.

Research Intern | Bits Pilani June,2024 - July,2024

- Conducted research on machine translation for tribal languages, focusing on collecting and preparing datasets due to their vulnerability and unavailability.
- Developed, maintained, and fine-tuned Neural Machine Translation (NMT) models using transformer architecture and CT2 inference system for enhanced translation accuracy and efficiency.
- Learned from IndicTrans2, utilizing advanced tools like GitHub, Hugging Face and Colab Notebooks for hands-on experience with NMT techniques and models.

PROJECTS

Event-Based Recommendation System

- Conducted research on state-of-the-art recommendation systems, focusing on improving user experience and engagement
- Implemented and compared Singular Value Decomposition (SVD) and Neural Collaborative Filtering (NCF) models on event dataset using TensorFlow, NumPy, and other libraries.
- Evaluated models using RMSE, with NCF demonstrating superior performance over SVD, improving recommendation accuracy and effectiveness.

Stock Market Price Prediction: A Comparative Study of Various Models

- Conducted stock price forecasting for AAPL dataset using models including Artificial Neural Networks (ANN), Recurrent Neural Networks (RNN), and Long Short-Term Memory (LSTM).
- Evaluated model performance using metrics such as MSE and RMSE, with RNN and LSTM demonstrating superior accuracy.
- Implemented the project using Python, TensorFlow/Keras for model development, Scikit-Learn for evaluation, and data visualization tools for insights.

SKILLS

Languages	Python, MySQL
Frameworks / Libraries	TensorFlow, PyTorch, NumPy, Pandas, Matplotlib, SciPy, Scikit-learn, NLTK , Hugging Face
Data Science	Data Analytics, Machine Learning, Data Analysis
Tools	Git, GitHub, VS Code, Jupyter Notebook, Tableau, Figma
Areas of Experience	Web design and Development, Research

CERTIFICATES

Python: Master Programming and Development with 15 Projects | Udemy | Link June,2024
Programming Essentials in Python | Cisco Networking Academy | Link April,2022