SHREYA DATTA
MSC DATA SCIENCE

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PROFESSIONAL OVERVIEW

I am an M.Sc. Data Science student nearing graduation, seeking a data science internship or full-time role. With three internships in the field, I have hands-on experience in machine learning, data analysis, and model development. I am eager to apply my skills to real-world challenges and contribute to impactful data-driven solutions.

PROJECTS

Lung and Colon Cancer Detection Using Convolutional Neural Networks with InceptionV3 and Data Augmentation

- This project uses Convolutional Neural Networks with InceptionV3 to detect lung and colon cancer, achieving 80% accuracy through image preprocessing, augmentation, and transfer learning.

Time Series Forecasting of Microsoft Stock Price Using Simple RNN and Bidirectional LSTM

- This project forecasts Microsoft's stock price using Simple RNN and Bidirectional LSTM, with Simple RNN outperforming in accuracy after preprocessing and evaluation with MSE and MAE.

Book Recommendation System Using Correlation and K-Nearest Neighbors (KNN)

- This project built a book recommendation system using Correlation-based and K-Nearest Neighbors (KNN) approaches, successfully providing personalized book suggestions through data analysis and EDA.

NLP Fake News Classification Using LSTM, Bidirectional LSTM, and GRU

- This project classifies fake news using LSTM, Bidirectional LSTM, and GRU, with Bidirectional LSTM outperforming others for highest accuracy after text preprocessing and model evaluation.

WORK EXPERIENCE

Python and Machine Learning Intern

DevSkillHub Training and Consultancy │ June 2024 – Aug 2024

- Completed an online internship with DekSkillHub as a Python and Machine Learning Intern, gaining hands-on experience in COVID-19 analysis and machine learning techniques.

Data Analytics and Machine Learning Intern

Rugas Technologies Pvt. Ltd. │ Oct 2023 – Nov 2023

- Completed a dynamic internship at Rugas, leading a machine learning project to optimize nurse shift allocation with 95% accuracy using Random Forest, MongoDB Atlas, and PCA for feature selection.

Data Analytics Trainee

MedTourEasy Pvt. Ltd. │ Oct 2023 – Oct 2023

- Led an online internship at Med Tour Easy Pvt Ltd, analyzing lifespan disparities between right- and left-handers using Python, pandas, matplotlib, and seaborn, earning a certificate for contributions to demographic research.

EDUCATION

Master's degree (2023-2025)
Kalasalingam Academy of Research and Education (Kalasalingam University), Tamil Nadu

Bachelor's degree (2019-2023)
West Bengal University of Technology (Makaut University), Kolkata

High School's degree (2017-2019)
Kalyani Public School, Kolkata

SKILLS

- Python
- Machine Learning
- Deep Learning
- Statistics
- Recommended System
- Time Series Analysis
- SQL
- NLP
- Data Visualisation

CERTIFICATIONS

Data Science and Business Analytics
Boston Institute of Analytics

Google Data Analytics Certification
Coursera

Advanced Google Data Analytics Certification
Coursera