

# 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 DevSkillHub 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