

Sagnick Das

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Portfolio

Professional Summary

Data Science student with hands-on experience in building machine learning pipelines and deploying scalable data solutions. Skilled in Python, SQL, and cloud technologies, seeking opportunities in Data Science, Engineering, or Analysis to solve real-world business problems.

Education

MCKV Institute of Engineering, West Bengal **2022–2026 (Expected)**
Bachelor of Technology in Computer Science and Engineering (Data Science)[3rd Year] **GPA: 7.99/10.0**

Relevant Coursework: Data Structures, Statistics, Machine Learning, Databases

Technical Skills

Programming:	Python, R, Java, SQL, C++
Machine Learning:	Scikit-Learn, TensorFlow, NLP, OpenCV
Data Engineering:	MySQL, MongoDB, AWS (EC2/S3)
Data Visualization:	Matplotlib, Seaborn
Tools:	Git, Docker, FastAPI, Flask, Linux

Projects

Plant Disease Detection System [GitHub](#)

- Developed a TensorFlow CNN model achieving **90% accuracy** on a dataset of 5,000 leaf images.
- Integrated back-end service using FastAPI.

Tweet Engagement Predictor [GitHub](#)

- Trained a Random Forest classifier achieving **85% accuracy** using data collected from the Twitter API.
- Enhanced model accuracy by optimizing feature selection using decision trees.

English-to-Bengali Transformer Translator [GitHub](#)

- Designed and trained a Transformer model from scratch (6 encoder/decoder layers, 8 attention heads).
- Designed and implemented a React-based frontend for an intuitive user experience, coupled with a Flask backend integrated with MySQL for efficient data management and real-time functionality.