

# Shuvam Chakraborty

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## SUMMARY

Computer Science graduate (MCA) with a strong interest in Artificial Intelligence, Machine Learning, and Data Science. Familiar with tools like Python, Scikit-learn, TensorFlow, Pandas, and NumPy, and have hands-on experience working with datasets, feature engineering, and techniques such as statistical analysis and basic machine learning. Seeking an internship/position to apply my knowledge and contribute to organizational goals while continuing to learn and grow. **D.O.B:** 17.01.2001

## EDUCATION

<b>2023 – 2025</b>	MCA, University of Engineering and Management, Kolkata	<i>SGPA: 8.44</i>
<b>2019 – 2022</b>	B.Sc. (Hons), Netaji Nagar Day College	<i>CGPA: 7.935</i>
<b>2017 – 2019</b>	Higher Secondary, Techno India Group Academia, WBCHSE	<i>Percentage: 58%</i>
<b>2016 – 2017</b>	Secondary, TIGPS, CBSE	<i>CGPA: 8.0</i>

## PROJECTS

### Movie Recommendation System



*TF-IDF, Cosine Similarity, Dash, Python*

Content-based movie recommender using TF-IDF over genres, overview, cast, and more. Input: title. Output: top-N similar movies. Optional Dash app for interactive frontend.

### Lung Disease Detection from X-Rays



*TensorFlow, ResNet50, Streamlit, OpenCV*

Trained ResNet50 on chest X-rays (70% accuracy), evaluated with F1-score. Deployed via Streamlit for real-time prediction.

## PUBLICATIONS

**Real-time Anomaly Detection in Network Traffic: A Hybrid ML-DL Approach.** Banerjee, S., Basak, B., Mandal, S., Manna, S., Chakraborty, S., Ghatak, S., & Das, A. In *Proceedings of the IEEE International Conference on Engineering Innovations and Technologies (ICoEIT)*, July 4–5, 2025, Bhopal, India.

## SKILLS

<b>Programming</b>	Python, Java, C
<b>ML / DL</b>	Scikit-learn, TensorFlow, Random Forest, SVD
<b>Data Analysis &amp; Viz</b>	Pandas, NumPy, Matplotlib, Seaborn
<b>Databases</b>	MySQL
<b>Tools &amp; Platforms</b>	GitHub

## CERTIFICATIONS

- IBM Data Science – Coursera
- Microsoft Azure Cloud Services – Coursera
- SQL: Querying Databases – Coursera

## INTERESTS

Data Science, Photography, Heritage Exploration, Storytelling