RONAK SARKAR

Aspiring Data Analyst with a Mathematical Foundation

7980465204 ronaksarkar03@gmail.com West Bengal, India
linkedin.com/in/r-sarkar-122a6130b 21st July 2003

OBJECTIVE

Aspiring Data Analyst with a strong foundation in Mathematics and expertise in Python programming, data analysis, and machine learning. Passionate about delivering actionable insights and solving real-world problems through data-driven decision-making.

EDUCATION

Master of Science in BIG Data Analytics

Ramakrishna Mission Vivekananda Educational and Research Institute

2024 – 2026 (Expected)

Bachelor of Science in Mathematics Honors

Chandernagore College, University of Burdwan

2021 – 2024

Higher Secondary (PCM & Computer Science)

Pandua Sasibhusan Saha High School

2013 – 2021

Elementary School

Nivedita Sishu Siksha Kendra

2009 – 2012

CERTIFICATIONS

IT/ITES Vocational Course: Level 1 and Level 2
Completed foundational training.

PROFESSIONAL SKILLS

Python | Machine Learning | Data Analysis | Data Structures

Abstract Algebra | Linear Algebra | Probability & Statistics | R | Computer Vision | ELAN Annotation Tool

INTERESTS

Chess (FIDE-rated: 1446) | Machine Learning | Computer Vision | Automatic Speech Recognition

PROJECTS

Congruence Theory and Its Applications

–

- Completed a project exploring applications of Congruence Theory in Number Theory and Cryptography.

Fashion MNIST Classification

–

- Developing a machine learning model to classify images from the Fashion MNIST dataset.
- Focused on achieving high accuracy using advanced classification techniques.

ChessLens: Chess Board Visualization

Ongoing

–

- Built a Python-Tkinter GUI to display chess positions from FEN strings with a board, navigation buttons.
- Used OpenCV for chessboard detection, applying edge detection to analyze square occupancy.

Visual Question Answering (VQA) Model

Ongoing

–

- Working on a VQA model using a combination of CNN for image feature extraction and NLP for question understanding.
- Leveraging R-CNNs and deep learning to enhance image-region attention and answer accuracy.
- Using the VizWiz dataset for training and evaluation.

LANGUAGES

English
Bengali