

# SUPRIYA DUTTA

M.Sc. in Big Data Analytics

Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math, West Bengal, India

@ supriyadutta.serampore@gmail.com

supriya-dutta-221bb0353

SupriyaDutta01

9073159725



## PROJECTS

- **Paper2Code:** Extracting code from research papers using multi-agent LLMs  
Tools: Ollama, Python  
July.'25 - Ongoing, RKMVERI  
Faculty: Mr. Champak Dutta
- **ADRBS: Automatic Dialect Recognition from Bengali Speech**  
Tools: Pytorch  
Keywords: EDA, MFCC, FBANK, Wav2Vec2  
Jan.'25 - Ongoing, RKMVERI  
Faculty: Dr. Soumitra Samanta
- **Spotify Track Popularity Prediction :**  
Tools: scikit-learn  
Aug.'24 - Nov.'24, RKMVERI  
Faculty: Br. Bhaswarachaitanya
- **Spam Email Classifier :**  
Tools: scikit-learn  
Dec.'24 - Mar.'25, RKMVERI  
Faculty: Mr. Champak Dutta

## COURSEWORK

RKMVERI – M.Sc. in Big Data Analytics

- Deep Learning & Natural Language Processing
- Computer Vision
- Artificial Intelligence
- Time Series Analysis
- Machine Learning
- Statistics
- Econometrics & Finance
- Reinforcement Learning
- Data Structures & Algorithms
- Database Management Systems

University of Calcutta – M.Sc. in Applied Mathematics (Rajabazar Science College)

- Graph Theory
- Abstract Algebra
- Linear Programming Problem
- Discrete Mathematics
- Numerical Analysis
- Ordinary & Partial Differential Equations (ODE & PDE)
- Number Theory
- Calculus
- Topology
- Linear Algebra
- Fluid Dynamics
- Special Theory of Relativity
- Quantum Mechanics
- Quantum Field Theory

## ACHIVEMENTS/CERTIFICATIONS

- NPTEL: The Joy of Computing using Python (Nov.'24)
- Secured Rank 12 in B.Sc. Mathematics, University of Calcutta
- School Topper in both Secondary and Higher Secondary Examinations

## EDUCATION

- Ramakrishna Mission Vivekananda Educational and Research Institute, Howrah  
M.Sc. in Big Data Analytics  
2024 – Present (Sem-1) CGPA: 7.22
- Rajabazar Science College (University of Calcutta)  
M.Sc. in Applied Mathematics  
2020 – 2022 CGPA: 8.33
- Serampore College  
B.Sc.(H) in Mathematics  
2016 – 2020 Score: 90.5%
- Serampore Malina Lahiri Boys' Academy  
Higher Secondary (10+2)  
2014 – 2016 Score: 85.4%
- Secondary (10)  
2008 – 2014 Score: 90.57%

## TECHNICAL SKILLS

- **Programming Languages:** Python, C, R, SQL,  $\text{\LaTeX}$
- **Frameworks:** Pytorch, OpenCV, scikit-learn, Seaborn, NumPy, Pandas, Matplotlib
- **Tools:** Git/Github, MS Office
- **Operating System:** Windows, Linux (Ubuntu)

## ACTIVITY

- **Fest Organiser**
  - Organizing Committee Member, Perceptron 2025 (annual departmental tech fest) [Jan.'25]
- **Chegg (Remote) - Subject Matter Expert (Mathematics)**
  - Provided detailed step-by-step solutions for Calculus and Advanced Mathematics problems
- **Private Tuition**
  - Class 11,12 and Engineering Mathematics [2017 - 2024]

## HOBBY

- Reading story books, Watching Movies and Animes, Photography