

Debyendu Routh

Degree : M.sc

Course : BIG DATA ANALYTICS

Institute: Ramakrishna Mission Vivekananda Educational And Research Institute

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RKMVERI, Belur Math



EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage
M.Sc. (Mathematics)	Ramakrishna Mission Vivekananda Educational And Research Institute, Belur Math	9.14 (Ongoing)
B.Sc. (Mathematics)	Udaynarayanpur Madhabilata Mahavidyalaya, Howrah	7.854 CGPA
Higher Secondary	WBCHSE Board	83.4%
Secondary	WBCHSE Board	74.8%

EXPERIENCE

Teaching Experience :

Dec 2024 - Feb. 2025

Have teaching experience in Udaynarayanpur Madhabilata Mahavidyalaya

Udaynarayanpur

Working with Theoretical Mathematics :

Jan. 2024 - June. 2025

Have done MSc in Math with the project in Introduction to Hilbert Space, with grade A

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PROJECTS

Project 1

Jan 2024 - May 2024

Google Stock Price Prediction, guided by Prof. Br Bhaswarachaitanya

Project 2

Aug 2024 - Dec 2024

DiabPredict: AI-Powered Diabetes Risk Assessment, guided by Prof. Br Bhaswarachaitanya

Project 3

Jan 2025 - May 2025

Facial Emotion Detection: AI-Powered Computer Vision project guided by Prof. Br Bhaswarachaitanya

Project 4

Jan 2025 - May 2025

Brain Tumor Detection: AI-Powered Deep Learning project guided by Dr. Soumitra Samanta

KEY COURSES TAKEN

Machine Learning :

Supervised and Unsupervised Learning, Neural Networks

Deep Learning :

ANN, Transformer, Bert, RNN, CNN, LSTM, Self-Attention, NLP

Statistics :

Descriptive Statistics, Inferential Statistics, Hypothesis Testing, ANOVA

Data Structure And Algorithms :

Searching, Sorting Algorithms, OOP, Stacks, List, Linked-List, Array, Queues, Recursion, Trees, Maps, Hash Table, Sets

Computer Vision :

Image Processing, Object Detection, OpenCV, RNN, Transformer, GNN, LSTM

Time Series Analysis :

Have notions on Time Series And Survival Analysis, With Application Of R

Graph Theory :

Have a strong base in Graph Theory

TECHNICAL SKILLS

Programming: C/C++, Python, R, SQL

Tools & OS: Git, Jupyter Notebook, Google Colab, Linux, Windows, OS, Visual Studio Code

Libraries/Frameworks: Pandas, NumPy, scikit-learn, PyTorch

CERTIFICATIONS

Python and R : Online certificate course from Ramakrishna Mission Vidyamandira April 2023 – June 2023

NPTEL : Certification on Python with 90%, IIT Madras Jul 2024 – Oct 2024

WEBEL : Diploma in Software Application with 80% Jan 2021 – Jun 2021

GATE : Have cleared GATE exam in Mathematics Feb 2024