Srijan Mallick
Aspiring Data Scientist

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A passionate and hardworking individual with a strong background in Mathematics and Statistics, actively looking for opportunities in Data Science in any domain, eager to learn new tools and techniques related to big data analytics.

EDUCATION

M.Sc. in Big Data Analytics
Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI), Belur

2020 - Present   *CGPA 8.92*

Courses
- Machine Learning
- Computer Vision
- Advanced Statistics
- Optimisation Algorithms
- Deep Learning
- Linear Algebra
- Probability Theory
- Time Series Forecasting

B.Sc. in Mathematics (Honours)
St. Xavier's College (Autonomous), Kolkata

2017 - 2020   *CGPA 7.32*

Courses
- Linear Algebra
- Statistics
- Linear Programming Problems
- Multivariable Calculus
- Abstract Algebra
- Topology

Higher Secondary, WBCHSE
South Point High School, Kolkata

2015 - 2017   *Secured 90% with PCM+Statistics*

Secondary, WBBSE
South Point High School, Kolkata

2014 - 2015   *Secured 92.4%*

EXPERIENCE

Summer Research Intern
Indian Statistical Institute (ISI), Kolkata

08/2021 - Present

Human-object Interaction Detection from images
- under the supervision of Dr. Ashish Ghosh, Professor & Head, Machine Intelligence Unit, ISI Kolkata

Student Volunteer
National Service Scheme (NSS)

08/2017 - 07/2020

Social Service
- Taught underprivileged children at Nursikdar Chowk village
- Participated in Shishu Mela held at St. Xavier's College (Autonomous), Kolkata in Jan '20

SKILLS

Python · R · Numpy · Pandas · scikit-learn · Machine Learning · Deep Learning · PyTorch · Computer Vision · OpenCV · Matplotlib · Seaborn · ggplot2 · MySQL · Neo4j · PySpark · LaTeX · Minitab

PERSONAL PROJECTS

COVID-19 Time Series Analysis (09/2021 - 10/2021) ⌗
- Analysed and forecasted the growth rate and deaths due to COVID-19 in India using ARMA-GARCH model

Pneumonia Prediction from Chest X-ray Images (under the supervision of Dr. Sujoy Kumar Biswas, Visiting Scientist, Electronics and Communication Sciences Unit (ECSU), ISI Kolkata (04/2021 - 06/2021) ⌗
- Trained an 8-layer deep CNN from scratch for classification of chest X-ray images
- Implemented Transfer learning using ResNet50 backbone

Exploratory Data Analysis on Cardiovascular Diseases dataset (12/2020 - 01/2021)
- Performed exploratory data analysis (EDA) on cardiovascular diseases dataset in order to determine the leading causes of heart diseases, with visualisation in Python (matplotlib, seaborn) and R (ggplot2)

Computer Vision Mini Projects (under the supervision of Br. Tamal, RKMVERI) (03/2021 - 06/2021) ⌗
- Image Filtering and Hybrid Images
- Harris Corner detection and SIFT descriptor
- Blob Detection
- Panorama Stitching

LANGUAGES

English
Full Professional Proficiency

Bengali
Native or Bilingual Proficiency

Hindi
Professional Working Proficiency

INTERESTS

Computer Vision · Time Series Forecasting · Exploratory Data Analysis · Machine Learning · Deep Learning · Predictive Modelling