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 8.72*

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

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

2017 - 2020 — *CGPA 7.32*

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

Higher Secondary, WBCHSE
South Point High School, Kolkata

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

EXPERIENCE

Data Science Intern
Dr. Reddy's Laboratories

02/2022 - Present — *Hyderabad*

Global Supply Intelligence
- Predicting disruptions in supply chain
- Demand forecasting

Summer Research Intern
Indian Statistical Institute (ISI), Kolkata

10/2021 - 01/2022 — *Kolkata*

Human-object Interaction Detection from images
- Detected humans and objects from images
- Classified interaction classes
- Exploited label correlation to improve accuracy

SKILLS

Python | R | Numpy | Pandas | scikit-learn | Machine Learning | Deep Learning | PyTorch | Computer Vision | OpenCV | Matplotlib | MySQL | Neo4j | PySpark | LaTeX | Tableau

PERSONAL PROJECTS

Survival Analysis of patients with recurrent bladder cancer (12/2021 - 02/2022)
- Estimated survival curves for patients on different treatments
- Frailty modelling for recurrent events

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

INTERESTS

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