

AMANDEEP SINGH

Data Analytics | Business Intelligence | Machine Learning | Astrophysics | Cosmology

📍 (Present) Dublin, Ireland 📍 (Permanent) New Delhi, India @ sardarji4169@gmail.com ☎ +353-899486340
🌐 singhad.github.io/my_CV 🌐 astrum-imber.blogspot.com in linkedin.com/in/amandeepsingh07/ 🌐 github.com/singhad
M medium.com/@ads4169

SUMMARY

- Successfully completed my second Masters, MSc in Data Analytics (Jan 2020-Feb 2021), from the prestigious National College of Ireland with an aggregate 77.1% (1:1 grade, First Class Honours)
- Fluent in numerical analysis and programming in Python & C++.
- Effectively work in IBM SPSS, SQL, Tableau, PowerBI, Git, Microsoft Dynamics 365, Jupyter Lab/Notebooks, Google Colab, \LaTeX .
- Successfully completed Masters in Physics (Astrophysics & Cosmology) with 4.5/6 grade from University of Zurich (2019).
- Successfully completed Bachelors (Honours) in Physics with 77.64% from University of Delhi (2017).
- VISA: Eligible to work in Ireland. Will get IRISH STAMP-1G Work Permit in Feb/March 2021.

EDUCATION

🎓 MSc in Data Analytics

National College of Ireland

1st Semester (Jan'20 - Apr'20): 81.7% (Class Topper)

2nd Semester (May'20 - Aug'20): 78.17%

3rd Semester (Sep'20 - Jan'21): 72.25%

Aggregate: 77.1%, 1:1 grade, First Class Honours

📅 2020-2021

📍 Dublin

🎓 MSc in Physics - Astrophysics & Cosmology

University of Zurich

Grade: 4.5/6

📅 2017-2019

📍 Zurich

🎓 BSc (Honours) in Physics

University of Delhi

Score: 2795/3600 - Percentage: 77.64%

📅 2014-2017

📍 New Delhi

🎓 Grade 12 ('A' Level)

Kendriya Vidyalaya, Tagore Garden

CBSE Board - Marks: 463/500 - Percentage: 92.6%

📅 2014

📍 New Delhi

🎓 Grade 10 ('O' Level)

Kendriya Vidyalaya, Embassy of India, Kathmandu, Nepal

CBSE Board - CGPA: 9.8/10 - Percentage: 93.1%

📅 2012

📍 Kathmandu

WORK EXPERIENCE

🏢 Associate Faculty

National College of Ireland

Part-time role (Ongoing)

📅 Jan '21

📍 Dublin

🏢 Sales Assistant (Part-time)

Spar Ireland

Part-time role

📅 Nov '20 - Jan '21

📍 Dublin

🏢 Lab Assistant (Part-time)

National College of Ireland

Part-time role

📅 Sep '20 - Nov '20

📍 Dublin

TECHNICAL SKILLS

Fluently program and carry out numerical analysis in:

Python

C++

SQL

Comfortably perform business/statistical analysis and create dashboards in:

IBM SPSS

Microsoft Dynamics 365

Tableau

PowerBI

Microsoft Excel

Efficiently work in:










Jupyter Lab

Google Colab




Git

\LaTeX



PROJECTS

-  **Visualising the COVID-19 Pandemic using Reddit posts, Twitter Hashtags and Stock Market fluctuations**
Database & Analytics Programming, M.Sc. in Data Analytics
-  **Comparing Transfer Learning Techniques for Detection of Traffic Signs using Image Recognition**
Data Mining & Machine Learning, M.Sc. in Data Analytics
-  **Life Expectancy Prediction using Multiple Linear Regression and Consumer Price Index Forecasting Model**
Statistics, M.Sc. in Data Analytics
-  **Rainfall Prediction in Australia, Exoplanet Classification, & Indian Air Quality Index Prediction using Data Mining & Machine Learning Models**
Data Mining & Machine Learning, M.Sc. in Data Analytics
-  **Managing and Visualising the Workings of an Organisation using Microsoft Dynamics 365 and Power BI Dashboards**
Business Intelligence & Business Analytics, M.Sc. in Data Analytics
-  **Statistical Analysis using Binary-Logistic Regression, one-way ANOVA, t-Test and chi-Square Test**
Statistics, M.Sc. in Data Analytics
-  **Predicting Customer Review Scores using Ancillary Metadata from Customer & Transaction Details**
Domain Applications & Predictive Analytics, M.Sc. in Data Analytics
-  **Simulating and Optimising the HS2 Train Line from London Old Oak Commons to Birmingham Interchange**
Modelling, Simulation & Optimisation, M.Sc. in Data Analytics
-  **A sub-grid model for molecular gas in a cosmological galaxy formation simulation - THESIS**
Theoretical Astrophysics & Cosmology, M.Sc. in Physics









AWARDS/ACHIEVEMENTS

 **Diploma Examination in Harmonium (Vocal)**
Prayag Sangeet Samiti, Allahabad
 2014-2016  Uttar Pradesh, India

 **Grade 12 ('A'-Level) – School Topper**
Kendriya Vidyalaya, Tagore Garden
 2014  New Delhi, India
Computer Science (98/100), English (95/100): *School Rank-1*
Chemistry (95/100): *School Rank-2*

 **KVS National Level INSPIRE Award Examination**
Department of Science & Technology, GOI and KVS
 2011-2012
Participated (2011-12) in KVS National Level INSPIRE Award Examination organised by Department of Science & Technology, GOI and KVS.

CERTIFICATIONS

-  **KPMG - Data Analytics Consulting Virtual Internship**
Enrolment Verification Code: rtGeNacgiBtvP7cSB | User Verification Code: 53dB6ug2NW6Cyser4
-  **UDEMY - The Data Science Course 2020: Complete Data Science Bootcamp**
udemy.com/certificate/UC-4GQYB8YV/
-  **Python: Kaggle Certification**
Kaggle.com
-  **Intro to SQL: Kaggle Certification**
Kaggle.com
-  **Advanced SQL: Kaggle Certification**
Kaggle.com
-  **Pandas: Kaggle Certification**
Kaggle.com
-  **GRE Physics Test, ETS Zurich**
Scored 830 in the *GRE Physics* conducted by ETS in Zurich, Switzerland on April 14, 2018.
-  **IELTS - British Council, Switzerland**
Given on: 29.06.2019 – Overall Band: 7.5 (Reading: 7.5; Listening: 9.0; Writing: 6.0; Speaking: 8.0)

EXTRA CURRICULAR

Regularly render *voluntary* community service at the local Gurudwara (Sikh Temple) in Dublin

Passionately listen & sing devotional Bhajans/Kirtan

Self-learning Spanish

Organising private Physics & Mathematics classes in social circle

LANGUAGES

English
Hindi
Punjabi
German
Spanish

