AMANDEEP SINGH

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

📍 (Present) Dublin, Ireland 📍 (Permanent) New Delhi, India @ sardarji4169@gmail.com @ ads4169@gmail.com
📞 +353-899486340 🔗 singhad.github.io/my_CV 🔗 astrum-imber.blogspot.com in linkedin.com/in/amandeep-singh-526683188
⌗ github.com/singhad M medium.com/@ads4169

SUMMARY

- Enthusiastically pursuing my second Masters, MSc in Data Analytics (Jan 2020-Jan 2021), from the prestigious National College of Ireland (First Sem Result: 1:1, 81.7%, Class Topper; Second Sem Result: 1:1, 78.17%, 3rd in Class)
- Fluent in numerical analysis and programming in Python, C++ & R.
- 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: Currently possess IRISH STAMP-2 Study Visa - eligible to work for 20 hours/week; will get IRISH STAMP-1G Work Permit in March/April 2021, allowing to work 40 hours/week.

EDUCATION

🎓 MSc in Data Analytics

National College of Ireland
1st Semester (Jan'20 - Apr'20): Percentage: 81.7% (Class Topper)
2nd Semester (May'20 - Aug'20): Percentage: 78.17%

📅 2020-2021   📍 Dublin

🎓 MSc in Physics - Astrophysics & Cosmology

University of Zurich
Grade: 4.5/6

📅 2017-19   📍 Zurich

🎓 BSc (Honours) in Physics

University of Delhi
Score: 2795/3600 – Percentage: 77.64%

📅 2014-17   📍 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

💼 Sales Assistant (Part-time)

Spar
Part-time role (Ongoing)

📅 Nov 2020   📍 Dublin

💼 Lab Assistant (Part-time)

National College of Ireland
Part-time role

📅 Sept - Nov 2020   📍 Dublin

TECHNICAL SKILLS

Fluently program and carry out numerical analysis in:

Python C++ R SQL HTML5
CSS

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 RStudio
Git LaTeX

Confidently operate and manage tools in:

MS Office PHD2 Nebulosity
ABINIT QUCS GNU Plotter
Adobe Lightroom

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
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

Language	Proficiency
English	●●●●●
Hindi	●●●●●
Punjabi	●●●●●
German	●●○○○
Spanish	●○○○○