

# Muhammad Imran

*Data journalist and educator specialising in data-driven storytelling and training journalists in sourcing, analysing, visualising, and using data ethically across newsrooms and academia*

[imran271828@gmail.com](mailto:imran271828@gmail.com) | [www.muhammadimran.com](http://www.muhammadimran.com) | [github.com/muimran](https://github.com/muimran) | +44 7448 588903

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## EDUCATION

- 2023 - 2024**                      **Cardiff University**, Cardiff, United Kingdom  
MSc in Computational and Data Journalism
- 2023 - 2023**                      **Columbia University Graduate School of Journalism**, New York City, USA  
The Lede Program for Data Journalism
- 2010 - 2014**                      **University of Dhaka**, Dhaka, Bangladesh  
Bachelor of Education (Honours)

## RELEVANT EXPERIENCE

- 03.2025 – present**                      **Adjunct Faculty**, Part Time  
*Comilla University*, Comilla
- Teaching the Data Journalism module in the Department of Mass Communication and Journalism for undergraduate students. Cover topics and tools such as data sourcing, data analysis with spreadsheet, visualisation, storytelling with data, and data ethics and privacy for journalism students.
- 03.2025 – present**                      **Data Journalist and Trainer**, freelance
- Working with multiple publications on projects covering in-depth budget data visualisation, election reporting, and other data-driven stories on public interest topics.
  - Working as a consultant for delivering hands on data journalism training for journalism students and journalists. Currently developing a comprehensive monthslong training program for the journalists of The Daily Star in collaboration with Media Resources Development Initiative (MRDI).
- 09.2022 – present**                      **Co-Founder and Chief Executive Officer**, full time  
*Datapense Limited*, Dhaka
- As the CEO and co-founder of Datapense Limited I drive its strategic and operational direction.
  - Co-led a significant research project in Bangladesh's Tannery Sector, emphasizing our data-driven capabilities.
- 03.2024 - 06.2025**                      **Research Assistant**, part time  
*Security Crime and Intelligence Innovation Institute (SCII)*, Cardiff University, Cardiff
- Investigated large social media datasets on misinformation campaigns in Latin America and the Latin diaspora in the US, utilizing Python and SQL.
  - Generated visualisations, maps and stories to aid in data interpretation.
- 09.2015 - 12.2017**                      **Reporter and Sub-Editor**, full-time  
*The Asian Age*, Dhaka
- Conducted research and interviews for articles on poverty, government policies, and environmental issues.
  - Wrote and edited articles under tight deadlines with high journalistic standards.
  - Collaborated with editors and reporters to develop story ideas.
  - Interviewed key figures like Cabinet Members and Diplomats.

## SKILLS

- **Data Collection and Analysis:** Experienced in using Python for sourcing, cleaning, and statistically analysing data, including web scraping. Proficient in the latest Natural Language Processing (NLP) techniques and tools such as BERTopic for text analysis and topic modelling.
- **Data Visualisation and Mapping:** Experienced with Flourish, Datawrapper, D3, Mapbox, Leaflet, QGIS, Highcharts, and Scrollama, for creating interactive visualisations and maps.
- **Data Storytelling:** Skilled at writing compelling, data-driven narratives that connects complex analyses with engaging and accessible prose for diverse audiences.
- **Teaching and Training:** Experienced in designing and delivering hands-on data journalism training for journalists, newsroom teams, and students. Proven ability to communicate technical concepts in accessible, practical ways both in academic settings and professional workshops.

## SOFTWARE

- Python (including data analytics packages and NLP libraries such as Hugging Face and BERTopic), JavaScript Visualization Libraries (including D3, Scrollama, Highcharts), SQL, Flask, Git, DataWrapper, HTML and CSS, QGIS, Tableau, PowerBI, Figma

## LANGUAGES

- Bangla (Native), English (Bilingual), German (Conversant), Hindi (Conversant),

## SCHOLARSHIP / FELLOWSHIP

2023

### **Chevening Scholarship, UK**

I received the Chevening Scholarship, the UK government's flagship scholarship program for international students, from the UK's Foreign, Commonwealth & Development Office (FCDO), to pursue an MSc in Computational and Data Journalism at Cardiff University. I am one of the 1,300 scholars chosen from a pool of 70,000 applicants worldwide.

2023

### **Atlas Corps Fellowship, USA**

I won the Atlas Corps fellowship, representing the top 1% out of 10,000 applicants worldwide.

2023

### **Columbia Journalism School Scholarship, USA**

Awarded scholarship by Columbia University covering 90% of tuition fees to undertake The Lede Program for Data Journalism, recognising my potential in the field of data journalism.

## DATA-DRIVEN PROJECTS HIGHLIGHT

### **Thesis Project: [thesis.muhammadimran.com](https://thesis.muhammadimran.com)**

Conducted a 12-year analysis of Bangladesh's representation in 6 major Western news outlets using web scraping, NLP techniques, and interactive visualizations built with D3 and Leaflet.

### **Data Sonification Web App: [www.soundbathbritain.com](http://www.soundbathbritain.com)**

Created a sonification of publicly available UK-wide rainfall data by integrating real-time APIs, automation, and music production, in collaboration with the Royal Welsh College of Music and Drama.