

## EBRAHIM JAHANSHIRI

### Data Scientist

Swedish and UK resident (Authorized to work in EU/EEA and the UK)



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#### Work Experience

**Geospatial Data Scientist** — CFF UK (CIC),  
CropBASE.co.uk

MAY 2020 – PRESENT

- Designed, built, and tested machine learning models and algorithms with a team of data scientists and data engineers.
- Applied R, Python and Tableau for data collection, pre-aggregation, visualization, and insights communication.

**Data Science Team Lead** — CFF Malaysia

SEP 2014 - MAY 2020

- Led a team of 24 software engineers, researchers, assistant managers, and data curators to build production-ready scripts for analysing big spatial data.
- Developed a production-level ecosystem of applications for modelling alternative land-uses using agile methodologies.
- Streamlined software delivery lifecycle through effective monitoring tools and database architecture.

**Data analyst** — National University of Singapore, Singapore

JAN 2006 - MAY 2014

- Utilized statistical programming and geospatial databases and libraries to develop geostatistical and web-mapping tools, spatio-temporal multivariate regression models, and custom statistical models for real estate.

#### Recent Education

**MSc, Applied Data Science**, Joint University of Gothenburg / Chalmers University of Technology, Sweden — SEP 2020 - JUN 2022

- Axel-Adler Scholarship 2022
- Utilized Random Forest and Generative Adversarial Neural Nets to develop a digital soil database for Sri Lanka.

**PhD, GIS and Geomatics Engineering**, Universiti Putra Malaysia — SEP 2006 - SEP 2013

- Scholarship
- Specialized in spatial statistics.

#### Skills

- **Machine Learning:** Clustering, Neural Networks, Random Forest, Deep Learning, Generative Adversarial Neural Networks
- **Data Visualization:** Tableau, Power BI, Qlik, ggplot
- **Statistical Analysis:** 3D and 2D, EDA, Inferences, Hypothesis Testing, Non-parametric Statistics
- **Big Data:** Data Mining, Cleaning, Transformations, ETL/ELT
- **Programming Languages:** Python (NumPy, Pandas, Scikit-learn, PyTorch, TensorFlow), R (Tidyverse, Sf, Terra, Shiny)
- **Databases:** PostgreSQL, MySQL, Neo4j, GraphDB
- **Cloud Computing & DevOps:** AWS, GCP (Compute Engine, Cloud APIs), Jenkins, Docker, VM, Apache
- **Version Control:** GitHub, BitBucket
- **Management Skills:** Budgeting, Publishing, Reporting, Grant Writing
- **Agile Methodologies, Software Delivery Lifecycle**

#### Languages

- English – Fluent (Read, Write, Speak)
- Swedish - Beginner

#### Awards

- Recipient of a 220.000 EUR grant awarded by the European Commission to develop databases and data infrastructures.
- Recipient of 292.000 EUR grant awarded by the European Commission to develop software.

#### Publications (h-index, GScholar: 10, Scopus: 7)

- <https://scholar.google.com/citations?user=h3W2FdUAAAAJ&hl=en>
- <https://www.scopus.com/authid/detail.uri?authorId=57204408219>

## Professional References

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## Personal References

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