

# AMBREEN HANIF

## Artificial Intelligence PhD Candidate

@ hanif.ambreen@gmail.com

🌐 umberh.github.io/about

in ambreen16



## EXPERIENCE

### Data Scientist

#### Prospera

📅 February 2021 – Ongoing

📍 Sydney, Australia

- Developing Explanation and Data Drift Models for Machine learning Algorithms.
- Curated Features for the feature store
- Develop ML Pipelines in airflow. Natural Language Processing for Bank Transaction Classification.
- Developing a Graph Model to explain the model decisions with entities and responsibilities representations.

### Machine Learning Engineer

#### Cognitivo

📅 Oct 2020 – December 2020

📍 Sydney, Australia

- Used Yolo Based ML model for image classification
- improve the model performance and containerize the model
- Worked on tensor flow-based machine learning model for classification model
- Used GIS for the map Coordinates information.

### Computer Science Instructor

#### Bradford Affiliated University

📅 2010 – 2019

📍 Pakistan

- Designed and Conducted various Computer Science Courses
- Develop and conducted the Labs
- Used Python, C++, Java for course development and delivery

## PUBLICATIONS

### 👥 Conference Proceedings

- Hanif, A., Beheshti, A., Benatallah, B., Zhang, X., & Wood, S. (2022). Evidence Based Pipeline for Explaining Artificial Intelligence Algorithms with Interactions. In *9th {IEEE} International Conference on Data Science and Advanced Analytics, {DSAA} 2022* (pp. 1–9). Online: IEEE.
- Hanif, A., Zhang, X., & Wood, S. (2021). A Survey on Explainable Artificial Intelligence Techniques and Challenges. In *2021 IEEE 25th International Enterprise Distributed Object Computing Workshop (EDOCW)* (pp. 81–89). ISSN: 2325-6605. doi:10.1109/EDOCW52865.2021.00036
- Matulionyte, R., & Hanif, A. (2021). A call for more explainable AI in law enforcement. doi:10.2139/ssrn.3974243

## MOST PROUD OF



### Courage I had

to lead the big data society(mq), GDSDL and Women Techmaker Ambassador



### Persistence & Loyalty

I showed despite the hard moments and my willingness to work to chase my dreams.



### Growth

to learn the way to unlearn and keep learning

## SKILLS

Python

SQL

Machine Learning

Natural Language Processing

plotly

Git

Overleaf/Latex

Databricks

Flask/Streamlit

Latex

## EDUCATION

### PhD in Computer Science

#### Macquarie University

📅 Feb-2022 Jan-2025

📍 Sydney, Australia

### Masters of Research in Computer Science

#### Macquarie University

📅 Jan-2021 Dec-2021

📍 Sydney, Australia