

## **Job Description**

<b>Role Title:</b>	Technical Specialist (Artificial Intelligence)
<b>School / Dept:</b>	School of Science, Engineering and Environment
<b>Reference:</b>	MPF3119
<b>Grade:</b>	Grade 6
<b>Full or Part time:</b>	Full time – Fixed Term Contract until 31/03/2030
<b>Hours:</b>	1.0 FTE
<b>Reports to:</b>	Project Manager

## Overview

This is an exciting opportunity to join the GROW AI Project that aims to accelerate responsible and secure AI development and adoption, speed up research-to-commercialisation pathways, and deliver inclusive economic growth across Greater Manchester (GM).

The projects within the GROW AI portfolio are demand-led. Drawing on insights from the existing AI ecosystem and its future potential, it addresses key growth-enabling gaps for AI startups, scaleups and SMEs. Alongside AI-first businesses, it will focus on the Health, Creative and Cyber sectors, and on growth-enabling public services. These sectors represent areas where GM has unique environments that, with the right catalytic activity, will be fertile ground for significant AI-powered growth.

## Role Purpose

To develop responsible, reliable and secure AI solutions that can make a significant impact on GMs economic growth, health and wellbeing.

This particular role is for an AI specialist who is familiar with a wide range of AI methods, ranging from deep neural networks, to language models and agentic systems. You should have experience of using Python, frameworks like Keras, Pytorch and platforms like Azure and AWS. You will be responsible for liaising with businesses to understand their challenges, and be able to adopt methodologies to help design, recommend and develop effective AI driven solutions.

GROW AI is a collaborative project with the [Centre for Sustainable Innovation at Salford](#), and Manchester Metropolitan University so you will be expected to work well in a team and participate in meetings with partners

## **Principal Duties & Responsibilities**

- To provide technical assistance for developing innovative products and services using AI.
- To work with the Project Manager and Academic Experts to specify, plan and develop applications that utilise AI to meet business needs.
- To take responsibility for the management of quality in all technical aspects of the project, ensuring that projects are planned and delivered on time.
- To ensure that relevant ethical approval is gained and responsible AI is used
- To ensure that relevant legal, ethical and professional practices are followed to ensure responsible development of AI.
- To participate in relevant operational and technical meetings to represent the University's role in the Grow AI Project.
- To co-ordinate, manage and make recommendations for all administrative and operational processes relating to Grow AI Project.
- To ensure that progress on project development is monitored, including liaison with project deliverers, commercial clients and/or funding organisations so that deviations from project plans or other potential problems can be highlighted and addressed as early as possible.
- To attend and represent the University at Exhibitions, Trade Shows and meetings as necessary.

## **Generic Duties**

- Perform any other duties appropriate to the grade as may be required by the Head of School/Head of Division etc.
- Bring to the attention of managers any matters relating to the health and safety of staff, students and visitors;
- Comply with the personal health and safety responsibilities specified in the University Health and Safety policy.
- To engage with the University's commitment to put our students first and deliver services which are customer orientated, represent value for money and contribute to the financial and environmental sustainability of the University when undertaking all duties and aspects of the role

- Engage with the University's commitment to deliver value for money services that optimise the use of resources by maintaining a cost-conscious approach when undertaking all duties and aspects of the role;
- Advance equality, support our work towards eliminating unlawful discrimination, foster an inclusive study and work environment for students, staff and visitors in accordance with our public sector equality duties and university policy.

This role detail is a guide to the work you will initially be required to undertake. It may be changed from time to time to meet changing circumstances. It does not form part of your Contract of Employment.

Person specification follows on next page

## **Person Specification**

The successful candidate should demonstrate the following, which are 'Essential' (E) or 'Desirable' (D)

### **Qualifications**

1. BSc (Hons) in Computer Science, or related discipline (Minimum of a 2:1) (E)
2. Masters or PhD qualification in Artificial Intelligence, Machine Learning or related disciplines (Distinction preferred) (E)

### **Background and Experience**

3. Wide range of AI methods for developing applications (E)
4. Programming, databases and different software and AI development methods and tools (E)

### **Knowledge**

5. Artificial Intelligence toolkits, methods and languages (such as Scikit learn, Keras, Tensorflow and Python) (E)
6. Potential applications of Artificial Intelligence and Data Science and associated terminology in a broad range of sectors (E)
7. Machine Learning and Deep Learning methods (E)
8. Language Models, frameworks such as LangChain and Agentic Systems (D)
9. Familiarity with use platforms like Azure and AWS (D)

### **Skills and Competencies**

10. Able to systematically develop and sustain positive relationships with companies to enable development of specifications (E)
11. Excellent self-management skills, high motivation, efficiency and responsiveness (E)
12. Ability to work in a team with different skills and backgrounds (E)
13. Resilient and so able to remain calm under pressure and to troubleshoot problems arising in programme promotion, development and delivery (E)

14. Outstanding interpersonal and communications skills with a proactive approach (E)
15. Ability to write professional reports and present them at meetings (E)