

## **JOB DESCRIPTION**

**Job Title:** PROFESSOR in AI and Data Science

**Grade:** AC5

**School:** School of Computing and Mathematical Sciences

**Responsible to:** Head of School

**Key Contacts:** Other Members of School staff as required. School and Faculty leadership & management teams and other senior staff in the School of Computing and Mathematical Sciences and the Faculty of Engineering and Science

**Non-Contractual Nature of Role Profile:** This role profile is non-contractual and provided for guidance. It will be updated and amended from time to time in accordance with the changing needs of the University and the requirements of the job.

### **PURPOSE OF ROLE**

To provide academic leadership in Artificial Intelligence (AI) and Data Science, driving high-quality research, teaching excellence, and industry engagement at both undergraduate and postgraduate levels. The role involves leading cutting-edge research, developing new teaching strategies, and securing funding to advance AI and Data Science initiatives within the School. The appointee will contribute significantly to curriculum development, enterprise projects, and research-informed teaching. The post holder is expected to have, and maintain, strong stakeholder relationships at national and international level across research and teaching, including obtaining external funding. The post holder will be expected to provide strong leadership and to set standards of excellence. Post holders are expected at this level to build on those at previous levels, to demonstrate significant leadership in a subject area and local, national and international reputation and impact.

The role will focus on delivering high quality education in a variety of formats as well as research and enterprise activities. The person appointed will be expected to:

#### **Leadership & Strategy:**

- Lead the development and implementation of research strategies in AI and Data Science.
- Drive the School's research agenda and secure external funding for AI and Data Science projects.

- Foster interdisciplinary research collaborations and engage in knowledge exchange activities.
- Represent the School and University in national and international AI and Data Science initiatives.
- Provide mentorship and guidance to lecturers, researchers, and PhD students.
- Engage in research and professional practice across the subject area and contribute to the research profile of the School and to the University's REF submission and at least one of the Faculty's research groups

### **Research & Enterprise:**

- Lead and contribute to world-class research in AI and Data Science.
- Secure research grants from funding bodies (e.g. UKRI, Horizon Europe, and Innovate UK) as well as commercial organisations.
- Publish high-impact research in leading AI and Data Science journals and conferences.
- Establish strong industry links and contribute to technology transfer activities.
- Develop enterprise activities, including consultancy, professional training, and public engagement.

## **KEY ACCOUNTABILITIES**

### **Team Specific:**

- Deliver high-quality teaching, research and curriculum development across AI and Data Science activities.
- Supervise PhD students and mentor early-career researchers.
- Contribute to subject, professional and/or pedagogical research leading to the publication and/or dissemination of original work.
- Contribute to the research profile of the academic unit and to the REF submission of a Faculty research group.
- To contribute to the development of funding bids which contribute to the acquisition of internal and external resources to fund research, enterprise or teaching projects.
- Contribute to relationship management and engagement with key external bodies for research at a regional and national level; the national or regional public/cultural sectors/business and industry/professional bodies in relation to teaching, research or enterprise.

### **School Specific:**

The person appointed will be expected to:

- Demonstrate flexibility by delivering high quality research and enterprise activities in a range of formats, across all related disciplines in the School.

- Display resilience and adaptability to changing circumstances by the active support of a range of initiatives to promote collaboration, outreach and partnership activities across the School and wider faculty and university.

### **Generic:**

- Assist the School in achieving its KPIs.
- Contribute to School plans, activities and efficient working practices.
- Participate in local community groups, public engagements and related activity.
- Demonstrate a commitment to equality, diversity and inclusion through teaching practice and/or engagement with university initiatives.
- Contribute to peer review and School based research and teaching development activities.
- Promote your work and represent your discipline and the work of the University internally and externally, and take a proactive approach to ethical, good practice.
- Undertake other such duties as may from time to time be directed by the Deputy Vice Chancellor.

### **Managing Self:**

- Develop expertise in inquiry/research-informed teaching with an increasing degree of autonomy.
- Keep abreast of developments within the field and seek continuous improvement of own professional practice.
- Actively participate in established professional development framework activities.
- Behave in a manner which reflects the University values and creates a positive environment for work and study.
- Maintain a high standard of student engagement and satisfaction.
- Seek to maximise the learning outcomes of students.

### **Core Requirements:**

- Adhere to and promote the University's policies on Equality, Diversity and Inclusion and Information Security.
- Ensure compliance with Health & Safety and Data Protection Legislation.
- Support and promote the university's Sustainability policies, including the Carbon Management Plan, and carry out duties in a resource efficient way, recognising the shared responsibility of minimising the university's negative environmental impacts wherever possible.

- Adhere to current legal requirements and best practice relating to digital content and accessibility, including Web Content Accessibility Guidelines when creating digital content.

### **Additional Requirements:**

Undertake any other duties as requested by the line manager or appropriate senior manager, commensurate with the grade (Any other duties commensurate with the post and grade as agreed with the PVC of the Faculty and the Deputy Vice-Chancellor).

This is a professional, demanding role within a complex organisation with an ambitious strategic plan and agenda for change. The role holder will be expected to show flexibility in working arrangements, including working hours, to ensure that the School of Computing and Mathematical Sciences delivers the required level of service.

### **KEY PERFORMANCE INDICATORS:**

Performance Indicators will be established in consultation with the Head of School as part of the post-holder's annual Appraisal and Professional Development Review and with due regard to the University's KPIs

### **KEY RELATIONSHIPS (Internal & External):**

- Senior managers and their schools, research groups, administrative and technical/support staff
- Directorates of the University
- Other Faculties of the University
- Partner Colleges
- Local, national, and international collaboration partners

## **PERSON SPECIFICATION**

### **EXPERIENCE:**

#### **Essential Criteria**

- Extensive experience in teaching, research, and leadership in AI and Data Science.
- Extensive knowledge of key policy issues at institutional, national and sector-wide level.
- A strong track in research and an excellent record of securing research funding.
- Proven track record in publishing high-impact research in AI and Data Science.
- Proven, sustained track record of impacting the education and wider student experience work of others through mentoring, training and supporting their development.
- Experience in supervising PhD students and leading research teams.

- Leadership in developing and delivering AI and Data Science programmes.
- Proven track record of leading education or subject level projects and initiatives, including winning external funding bids to support the work.
- Extensive experience of strategic planning and managerial leadership.
- Proven ability to develop and maintain industry partnerships.
- Experience in public engagement, knowledge transfer, or technology commercialisation.

#### **Desirable Criteria**

- Experience in government policy advisory roles related to AI and Data Science.
- Industry experience in AI-driven solutions, big data analytics, or machine learning applications.

#### **SKILLS:**

##### **Essential Criteria**

- Expertise in machine learning, deep learning, and AI frameworks
- Extensive knowledge in industry standard tools related to AI and Data Science research,
- Ability to lead large-scale research projects and multidisciplinary teams.
- Ability to engage with researchers and students effectively and lead innovative research and teaching practices.
- Well-developed interpersonal skills and ability to motivate others.
- Excellent written and oral communication skills.
- Commitment to the promotion of high standards and excellence
- Ability to think strategically and conceptually.
- Capacity to listen and consult, good negotiation skills.
- Capacity to make informed decisions.

##### **Desirable Criteria**

- Ability to work effectively and deliver under pressure.
- Able to use IT effectively.
- Well-developed project management skills.

#### **QUALIFICATIONS:**

##### **Essential Criteria**

- PhD in AI, Data Science, Machine Learning, or a closely related fields and recognised track record of research excellence in AI and Data Science.

##### **Desirable Criteria**

- Teaching qualification (e.g., PGCert in Higher Education, Fellowship of HEA).
- Membership in professional bodies such as IEEE, ACM, or the BCS.
- Experience in CPD and executive education programme delivery.

## **PERSONAL ATTRIBUTES:**

### **Essential Criteria**

- A visionary leader with a strong drive to advance AI and Data Science.
- Commitment to the University's values: Inclusive, Collaborative, and Impactful.
- Ability to work independently and as part of a team.
- Enthusiasm for engaging with students and improving the learning experience.
- We are looking for people who can help us deliver the [values](#) of the University of Greenwich: Inclusive, Collaborative and Impactful.

### **Desirable Criteria**

- N/A