College	Management Unit:	UCD College of Science
School	Unit:	UCD School of Computer Science - CeADAR: Ireland's Centre for AI
Post Title & Subject Area:	**Data Scientist II**
Project:	**European Digital Innovation Hub in AI Programme (Project)**
Post Duration:	Fixed-term until 31 August 2026
Line Manager:	Director of EDIH in AI programme or nominee
Competition Ref. N°:	018361
HR Administrator:	Jagoda Wychowaniak

Position Summary:

Applications are invited for the position of Data Scientist in the European Digital Innovation Hub (EDIH) for AI programme part of CeADAR Ireland's Centre for AI.

The EDIH programme for AI is focused on supporting small and medium enterprises, and public service organisations, on their transition to digital and AI technologies.

There are 4 key services that the EDIH programme for AI provides:

- Test-before-Invest: The EDIH will conduct digital maturity assessments to assess the readiness of businesses to implement data analytics and AI. The EDIH will use case studies to showcase the benefits of AI for businesses, develop & test proofs-of-concept and ensure knowledge and technology transfer.

- Skills and Training: The EDIH currently offers self-paced online training, to demystify AI and its application in business. Ad hoc webinar series focus on special topics e.g. Generative AI

- Support to find Investments: The EDIH will help businesses identify suitable funding through national and EU instruments, and will support start-ups in securing venture funding.

- Ecosystem and Networking: The EDIH aims to connect companies, institutions, public administrations and other stakeholders in both Ireland and the wider EU, fostering collaboration that drives digital transformation, and the application of AI in Irish businesses

The EDIH is seeking experienced individuals who have a demonstrated successful track record in data science in industrial research settings (>4 years) or academic centres. Individuals for this role are expected to have proven experience applying artificial intelligence, machine learning, computational statistics, and statistics to solve specific problems. Relevant areas of interest include: explainable AI, deep learning, graphical models, reinforcement learning, computer vision, natural language processing and data representation. The ideal candidates will have a keen interest in contributing to the development of proof of concepts to allow companies to leverage the benefits of AI.

Principal Duties and Responsibilities:

Technical

- Technical ownership of scoped test-before-invest projects in data science (machine learning) in collaboration with other data scientists and software engineers in the team and companies

- Hands-on research and development activities as required, including devising data science solutions, developing software and evaluating proposed solutions in the field of data analytics in areas such as

computer vision, natural language processing, multimodal time series, trustworthy AI etc.

- Continuous learning and application of the latest techniques and libraries in machine learning to real problems
- Authorship of technical papers, project reports and knowledge transfer documents

Management/Organisational

- Management of test-before-invest projects for companies
- Scoping of test-before-invest projects for companies (with input from senior data scientist)
- Assistance with preparation of funding proposals (when required)

Business Development

- Assisting with business development activities (when required)
- Communication of projects results and evangelisation of technologies to non-technical audiences at industry events

Any Other Duties

- Undertake any other duties as assigned by your manager or nominee

Salary Range: €53,0000 - €64,000 per annum

Appointment on the above range will be dependent on qualifications and experience

Details on eligibility to compete and pension information is available at
https://www.ucd.ie/hr/resourcing/eligibilitytocompete/

UCD is committed to creating an inclusive environment where diversity is celebrated and everyone is afforded equality of opportunity. We welcome applications from everyone, including those who identify with any of the protected characteristics that are set out in our Equality, Diversity and Inclusion policy. Learn more about Diversity at: https://www.ucd.ie/workatucd/diversity/

Reasonable accommodations will be provided to any applicant during the interview process who discloses they have a disability or are neurodiverse.

Selection Criteria
Selection criteria outline the qualifications, skills, knowledge and/or experience that the successful candidate would need to demonstrate for successful discharge of the responsibilities of the post. Applications will be assessed on the basis of how well candidates satisfy these criteria.

Mandatory:

- MSc in Computer Science or other relevant numerical field
- Minimum of 4 years' experience developing applied data science (machine learning) solutions
- Experience of working in/with industry with practical exposure to solve real-world challenges using NLP, ML, and LLM
- Experience with conversational Retrieval Augmented Generation and frameworks e.g. LangChain, Llama Index, Multi Agent, Langsmith
- Experience with multi-modal data applying Computer Vision, and Predictive Analytics
- Experience fine-tuning models using frameworks such as Keras, TensorFlow, Pytorch
- Strong software development skills using Python and other languages
- Strong database skills and data pre-processing techniques
- Experience in Linux and in the use of docker containers and API development

- Experience scoping requirements, identifying novel proofs-of-concept, and estimating effort
- Experience developing prototypes and delivering to deadlines on multiple projects simultaneously
- Excellent communication skills with demonstrated experience of writing technical reports
- Travel requirements to present technical outputs and progress in project meetings and events
- Candidates must demonstrate an awareness of equality, diversity and inclusion agenda.

Desirable:

- Experience in applying techniques for model interpretability and explainability
- Experience in Research & Development e.g. graph technology
- Experience of back-end and front-end web development/full-stack e.g. React/Angular, JavaScript, Nodejs
- Experience in the use of cloud IaaS systems (e.g. Ms Azure, AWS, GCP)
- Comfortable using low/no-code platforms when required (e.g. n8n, make.com or similar)
- A willingness to learn and explore new tech and data science tools.

Supplementary information:

The University:	https://www.ucd.ie/
UCD Strategy 2030 - Breaking Boundaries:	https://strategy.ucd.ie/
UCD College of Science:	http://www.ucd.ie/science/
UCD School of Computer Science:	http://www.csi.ucd.ie/
The CeADAR EDIH for AI Programme	EDIH | CeADAR
The Centre:	https://www.ceadar.ie
Enterprise Ireland Technology Centres:	http://www.enterprise-ireland.com/en/Research-Innovation/Companies/Collaborate-with-companies-research-institutes/Technology-Centres.html

Informal Enquiries ONLY to:

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