

Training Opportunity for Irish Trainees

Reference	Title	Duty Station
IE-2019- OPS-OS(2)	Innovative web applications for AI powered spacecraft operations	ESOC
Overview of the unit's	mission:	L
a) providing AI re Scheduling) b) to coordinate re	AI) and Operations Innovation Manager and its team (in lated consultancy, including Data Analytics, Visual Analy elated AI research activities in OPS and across ESA a Analytics and AI services.	
as early detection, diagnos	veloping prototypes and novel applications to support sp stics, forecasting and planning, using AI technology Research & Development computer facility, which allows	
Overview of the field o	f activity proposed:	
contributing to on-going in operations have been con disciplines, like planning support the team during the internal partners.	Il become member of the AI & Operations Innovation internal projects. Several prototypes for innovative solu- inpleted in the recent years. Those solutions span across and scheduling using artificial intelligence or machin he integration of those solutions in a web application th	utions to support spacecra ss several computer science e learning. The trainee wi at is being distributed to ou
The main activities propose - Timeseries analysis - Data annotation - Data-driven visualiz - Automated planning	ation	calable web application for:
teams, system engineers, a sense for holistic persp	aboration with multiple teams (data scientists, IT and etc.). The team works on multiple, related projects requ pectives. As part of the traineeship the candidate will cluding the setup and design of a CI/CD pipeline.	iring creativity, ingenuity an
Required education:		
in Computer Science, Data Required skills: - Good knowledge Experience in w Django, RESTful - Fair knowledge a - Knowledge of rela - Knowledge of git	ntly attained their Master degree or be close to successf a Science, System Engineering or equivalent. and practice of programming languages: Typescript, eb technologies and applications development framework interfaces, micro-services, etc.) nd practice of Linux administration and bash scripting ational and non-relational databases (e.g. MariaDB, Mon (and particularly working with GitLab) is an asset n developing DevOps skills	JavaScript, Python, Java orks (particularly, Angular,