

Data Scientist

(Cybersecurity, Human Risk Prediction, Python, SaaS)

Remote (CET +/- 2 hours), including equity

We are seeking a Data Scientist to join our exciting start-up, working alongside our high performing agile engineering squads, and playing a key role in building and delivering OutThink's ground-breaking SaaS (Software as a Service) Cybersecurity Human Risk Management Platform.

The platform provides innovative and just-in-time learning experiences, nudges, and simulations to hundreds of thousands of users around the world via both desktop and mobile devices. At the same time, the system monitors training responses, collects security system data and continually gathers feedback. All this data is collated and processed by our cloud engines in Azure, culminating in the provision of sophisticated predictive human risk management models. Our models can drive automated countermeasures, and present analysis results via the delivery of highly visual and interactive on-line dashboards.

The Role

You will be the data scientist in a multi-disciplinary squad and will have the opportunity to work closely with the Chief Data Officer, Product Owner, Data Engineers, and partners.

Your core focus will be on data analysis, predictive modelling, and visualization. Models that you develop and help to productionize will be pivotal in delivering the world's first truly predictive human risk management solution.

This is a predominantly remote role in a remote team where open feedback, new ways of working, and thinking out of the box is not only encouraged but expected.

Responsibilities

- Building innovative predictive machine learning models in support of OutThink's Human Risk Management solution.
- Analysing diverse datasets from both internal and external sources, including customers and partners.
- Working with the Chief Data Officer, Product Owner, and other executives to ensure the OutThink platform continually delivers ground-breaking analytics and predictions.
- Contributing to crafting the future of OutThink's Data Science operations, including providing recommendations for new technologies, tooling, data ingestion, methodologies, and team members.
- Analysing algorithm performance bottlenecks and proposing solutions for improvements and optimization.
- Preparing new algorithms to be productionized as part of the delivered SaaS platform.

- Looking at ways to best visualise our analytics, and making the best use of the data we collect.

What You'll Need

- Excellent verbal and written communication skills and confident presenting your work and representing the team at all levels.
- Experience and a deep interest in new technology and innovation.
- Intrinsic drive and motivation to build a 'world first' and share our start-up vision.
- Excellent written and verbal communication skills.
- A degree in a quantitative discipline, such as AI, Mathematics, Physics or Computer Science.
- At least three years' commercial experience in developing machine learning or statistical models.
- Strong SQL skillset and excellent coding skills in Python.
- Solid understanding of regression, decision trees, clustering techniques, anomaly detection and natural language processing.
- Practical knowledge of Machine Learning and Deep Learning frameworks.
- Experience using data visualisation tools such as Power BI.
- Experience with machine learning on large datasets and in deploying machine learning models into a cloud-based production environment.

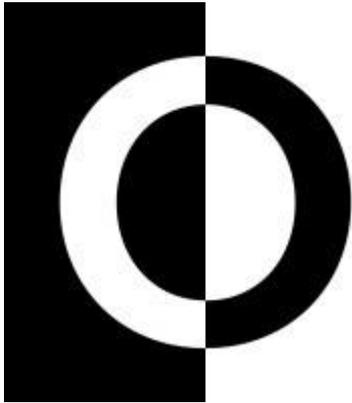
Desirable

- Commercial experience working in a digital product (preferably SaaS) company.
- Experience of working as part of a multidisciplinary Agile Scrum team.
- Master's degree or PhD in relevant studies e.g., Artificial Intelligence, Computer Science, Machine Learning, or Mathematics.
- Experience with any of the following technologies: Azure Machine Learning Studio, Azure Cosmos DB or Azure Databricks.

In Return You Will Receive

- An opportunity to help build a new, highly sophisticated cloud-native platform.
- An opportunity to work with some of the most modern and leading-edge cloud-based technologies available, working closely with top experts in the industry.
- Great start-up culture in a fun, friendly, and hardworking team.
- Flexible remote working.
- Competitive salary.
- Share options package - a rare opportunity to get in early and have a stake in what could potentially be a unicorn start-up, with a huge financial payback.
- 34 days paid holiday (including public holidays).
- Plus, an extra day off on your birthday!

About the company



OutThink is a young start-up using some of the latest technologies and methodologies to build the world's first truly predictive Human Risk Management Platform (SaaS).

We are building an innovative, disruptive solution, OutThink is the evolution of traditional security awareness training. Used by large, complex organisations around the world, the OutThink SaaS platform has been developed specifically to identify, measure human risk, and affect behaviour change.

OutThink is headquartered in the UK but has been a remote-first company since before the pandemic, with employees working from locations including Spain, UK, Bulgaria, and United Arab Emirates. We use the latest collaboration tools to ensure a productive working environment.

We soon expect to be meeting up again in locations across Europe to socialise and for a much needed catch-up.