

Principal Data Scientist

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Company: Vanrath

Location: United Kingdom

Category: computer-and-mathematical

Job Description

Principal Data Scientist Opportunity - Flexible Remote

Background:

We are thrilled to be working with an organisation that is dedicated to pioneering advancements in data science and technology, with a focus on driving innovation in the insurance sector. As they embark on their journey of growth and expansion, we are seeking a talented Principal Data Scientist to join the dynamic team and lead the way in leveraging data-driven insights to shape their future success.

Position Summary:

We are searching for a Principal Data Scientist to play a pivotal role in the organisation. In this position, you will collaborate closely with cross-functional teams to develop and deploy cutting-edge artificial intelligence and machine learning models. Your expertise in mathematics, statistics, and machine learning will be instrumental in devising scalable solutions to complex business challenges, establishing yourself as a technical leader within this organisation.

Responsibilities:

Data Science Leadership : Lead a team of data scientists, providing mentorship and guidance to drive impactful results.

Model Development: Develop and deploy predictive models using Python, SQL, and other relevant technologies.

Real-time Decision Making Apply machine learning techniques to enable real-time decision-making at scale, enhancing business operations.

Strategic Insights: Utilise structured and unstructured data to derive strategic insights that drive business growth and innovation.

Team Leadership : Lead and mentor a team of data scientists, fostering a culture of continuous learning and improvement.

Skills We Are Interested In:

Proficiency in Python & SQL

LLMs, NLP, and NLU

ML for real-time decision-making at scale

Reinforcement learning, Model Predictive Control, and Linear Programming

Auction mechanics & their application to derive optimal outcomes

ML system architecture & design

Production software development

Essential Criteria:

Bachelor's or Master's degree in Computer Science, Data Science, Mathematics, or a related field.

7+ years of professional experience as a Data Scientist, including developing and deploying predictive models.

Strong communication skills and the ability to convey complex concepts to technical and non-technical stakeholders.

Advanced knowledge of applied mathematics and statistics, with a track record of driving business improvements through machine learning models.

Proficiency in packaging code for deployment and re-usability, with a solid understanding of

software design patterns.

Entrepreneurial mindset with a passion for driving business growth and innovation.

Desirable Criteria:

Experience with online auctions optimisation and NLP-based applications.

Familiarity with modern software deployment practices, including CI/CD.

Master's degree or PhD in a technical field.

What You'll Be Doing:

Developing internal data products to drive real-time decision-making and business growth.

Solving complex optimisation problems to enhance business processes and outcomes.

Leveraging data insights to inform strategic initiatives and drive innovation.

Providing leadership and mentor-ship to a team of data scientists.

What They Offer:

Competitive salary with performance-based bonus plan

Engineering Certification Programs

Flexible work environment with Remote Work Allowance

Generous annual leave and benefits package

Enhanced parental leave

Opportunities for professional growth and development

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