

Data Scientist II

Job ID: 1613020 | ADCI - Karnataka

DESCRIPTION

Amazon Science gives you insight into the company's approach to customer-obsessed scientific innovation. Amazon fundamentally believes that scientific innovation is essential to being the most customer-centric company in the world. It's the company's ability to have an impact at scale that allows us to attract some of the brightest minds in artificial intelligence and related fields. Our scientists continue to publish, teach, and engage with the academic community, in addition to utilizing our working backwards method to enrich the way we live and work.

Please visit <https://www.amazon.science> for more information.

As a Data Scientist, you will be responsible for modeling complex problems, discovering insights and identifying opportunities through the use of statistical, machine learning, algorithmic, data mining and visualization techniques. You will need to collaborate effectively with internal stakeholders and cross-functional teams to solve problems, create operational efficiencies, and deliver successfully against high organizational standards. You should be able to apply a breadth of tools, data sources and analytical techniques to answer a wide range of high-impact business questions and present the insights in concise and effective manner. Additionally, you should be an effective communicator capable of independently driving issues to resolution and communicating insights to non-technical audiences. This is a high impact role with goals that directly impacts the bottom line of the business.

Responsibilities:

- Analyze terabytes of data to define and deliver on complex analytical deep dives to unlock insights and build scalable solutions through Data Science to ensure security of Amazon's platform and transactions
- Build Machine Learning and/or statistical models that evaluate the transaction legitimacy and track impact over time
- Ensure data quality throughout all stages of acquisition and processing, including data sourcing/collection, ground truth generation, normalization, transformation, and cross-lingual alignment/mapping
- Define and conduct experiments to validate/reject hypotheses, and communicate insights and recommendations to Product and Tech teams
- Develop efficient data querying infrastructure for both offline and online use cases
- Collaborate with cross-functional teams from multidisciplinary science, engineering and business backgrounds to enhance current automation processes
- Learn and understand a broad range of Amazon's data resources and know when, how, and which to use and which not to use
- Maintain technical document and communicate results to diverse audiences with effective writing, visualizations, and presentations
- Provide mentor-ship and technical guidance to Data Scientists on the team

BASIC QUALIFICATIONS

- Bachelor's degree in any quantitative discipline such as Statistics, Mathematics, Quantitative Finance or Operational Research
- 3+ years of experience with data scripting languages (e.g SQL, Python, R etc.) or statistical/mathematical software (e.g. R, SAS, or Matlab)
- 3+ years of experience working in Analytics / Business Intelligence environment
- 3+ years of writing SQL queries in a high volume database environment
- Demonstrated use of analytical packages and query languages in Python
- Demonstrate understanding and experience with relational data sets, data warehouses, data mining and data analysis techniques

PREFERRED QUALIFICATIONS

- Experience/knowledge of advanced machine learning techniques such as GBM, random forest, etc
- Experience in statistical techniques such as classification, clustering, regression, statistical inference etc
- Experience with visualization technologies such as Tableau
- Experience in e-commerce / on-line companies in fraud / risk control functions
- Exposure to software development process
- Analytical mindset and ability to see the big picture and influence others
- Detail-oriented and must have an aptitude for solving unstructured problems. The role will require the ability to extract data from various sources and to design/construct/execute complex analyses to finally come up with data/reports that help solve the business problem
- Ability to apply analytical, computer, statistical and quantitative skills to problem solving
- Ability to work effectively in a multi-task, high volume environment
- Ability to be adaptable and flexible in responding to deadlines and workflow fluctuations
- Meets/exceeds Amazon's leadership principles requirements for this role
- Meets/exceeds Amazon's functional/technical depth and complexity for this role

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