AI & ANALYTICS SENIOR ASSOCIATE

Posting ID: EM18A274AB
Company: Cognizant
Position Type: Full-Time
Company Website: http://www.cognizant.com/
Work Location: Teaneck, NJ
Salary: DOE

College Major(s): Electrical/Computer Engineering (EE/CpE), Computer Science (CS)
College Level(s): Graduate Student, PhD.
Student, Alumni

OVERVIEW

Today, increasing globalization, rapidly evolving technology and a changing generation of workers and customers are challenging business assumptions. These are the forces that are transforming the way organizations compete and innovate. We call this the Future of Work - and it is no longer in the Future.

We are currently hiring master’s degree graduates into the following three role opportunities. In your cover letter, you must indicate your role preference: AI & Analytics Data Engineer, Data Scientist, or Visualization Engineer.

Roles and Responsibilities

AI & Analytics Data Engineer Responsibilities:
- Integrate high volume, high variation and/or high velocity data to produce answers and enable clients to ask an entirely new class of questions
- Deliver data pipelines to store data in the way that is accessible, performant, secure, and sustainable
- Prototype solutions, prepare test scripts, and conduct tests for data replication, extraction, loading, cleansing, and data modeling for data warehouses
- Review and validate data loaded into data lakes/warehouses for accuracy
- Develop proofs of concept and evaluate design options to deliver ingestion, search, metadata cataloging and scheduling of data pipelines
- Data engineering in line with best practices and Cognizant’s reference architecture
- Understand and document technical use case requirements to deliver data movement and transformation solutions

AI & Analytics Visualization Engineer Responsibilities:
- Provide direct and interactive storytelling to clients through the use of information systems that transform data complexity into digitally informed and intelligent data visualizations.
- Work with customers for addressing their visualization & narratives opportunities
- Frame and define strategic solution options to various stakeholders
AI & Analytics Data Scientist Responsibilities:

- Perform analytical storytelling backed by self-developed visualizations, and the articulation of IT-centric proposals to business communities
- Work with and analyze large data sets in multiple formats
- Embed AI within Visualization meaningfully to deliver customer outcomes
- R & D on new technologies and create shareable assets in the form of decks or whitepapers

AI & Analytics Data Engineer Qualifications:

- Basic Qualifications
  - Master’s Degree in IT-related field and 0-3 years of IT experience
  - Strong business communication skills (incl. written and oral)
  - Experience with Java development for modern data engineering
  - Strong background in relational data models
  - Exposure in ETL tools & RDBMS
  - Strong problem solving and analytical thinking skills

- Distinguishing Qualifications
  - Full lifecycle development experience
  - Implementation experience within the Hadoop ecosystem
  - Industry experience (financial services, insurance, retail, healthcare, life sciences, communications)
  - Experience leading teams
  - Experience in developing and deploying distributed computing Big Data applications using Open Source frameworks such as Apache Spark
  - Working knowledge of application development using Hadoop components (HDFS, Hbase, Hive, Sqoop, Flume, etc.)
  - Exposure to data analytics and data mining tools/applications such as Tableau, QlikSense/QlikView, R or SAS
  - Exposure to working with SQL, Relational Database Management Systems (e.g., SQL Server, Oracle)
  - Development workflows (e.g., Microsoft VSTS)

AI & Analytics Visualization Engineer Qualifications:

- Basic Qualifications
  - Master’s Degree in IT-related field and 0-3 years of IT experience
  - Portfolio of exceptional visualizations including data contextualization
Experience using Tableau or a comparable BI tool such as Qlikview, Spotfire, D3, Looker, Jaspersoft, ThoughtSpot, Open Source Visualization tools

Exposure to Data Engineering Fundamentals to deliver Visualization engagements successful

Strong problem solving and analytical thinking skills

Distinguishing Qualifications

- Target to contribute on winning Public Hackathons
- Keep up to date on new analytics trends in the Market and identify where they can be implemented
- Focus on RPA, automation, innovations & tools and track their benefit on RFP, project delivery
- Awareness of Narrative Science/ YSEOP/Automated Insights and concept of NLG/NLP etc.
- Big data monetization technologies including AtScale/Jethro/Arcadia data etc.
- Data Wrangling Technologies including Paxata/Trifacta/etc.

AI & Analytics Data Scientist Qualifications:

Basic Qualifications

- Master's Degree in IT-related or Engineering field and 0-3 years of IT experience
- Strong business communication skills (including written and oral)
- Hands on experience in identifying and testing hypotheses, establishing correlations, selecting the right algorithms, building a predictive model using traditional as well as machine learning algorithms, data quality assessment, imputing and transformation as well as familiarity with typical data distributions such as normal, binomials, chi-square, Poisson, etc.
- Hands on experience with traditional modeling algorithms (e.g., regression, log-regression, clustering, Bayesian, etc.)
- Hands on experience with the modeling platform like Python, R/R Studio
- Strong problem solving and analytical thinking skills

Distinguishing Qualifications

- Ph.D. in IT-related or Engineering field and 0-3 years of IT experience
- Familiarity with machine learning algorithms, e.g., Extreme Gradient Boosting, SVM, Random Forest, Neural Networks, etc. Hence it is a very good skill set to have for this role
- Familiarity with developing and deploying models on the Hadoop environment
- Experience with collaborative development workflows (e.g., Microsoft VSTS)
- Exposure to working with SQL, Relational Database Management Systems (e.g., SQL Server, Oracle)

How to Apply