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| Job Title | Data Scientist |
| Directorate | E-Government Services |
| Department | Business Transformation |
| Reporting to | Integration Specialist |
| Salary Grade | N5 |
| Jobs that report to this role | N/A |
| Job Purpose | |
| <p>Responsible for collecting, analysing, and interpreting large amounts of data to identify ways to help Government through NITA-U improve government planning, operations, and systems and in turn transform public service delivery</p> | |
| Key Accountabilities | |
| <ul style="list-style-type: none"> i. Develop predictive and descriptive models using machine learning, advanced statistical, optimization, and big data techniques including: multivariate, regression, decision trees/classification, and time series ii. Assist in identifying critical questions to be answered and contribute to developing analytics-driven solutions and KPIs to enable more effective decision making iii. Conduct analysis and data modeling to draw insights that drive critical decision-making and uncover patterns in e-Government services usage and other ICT indicators. iv. Create various machine learning-based tools or processes within NITA-U and for MDA entities, such as recommendation engines or automated lead scoring systems. v. Interacting with business stakeholders across departments to define project requirements, test prototypes, and communicate results vi. Perform data mining and carry out statistical analysis on data collected from various MDA and NITA-U systems vii. Research, evaluate, and recommend systems/equipment/technologies based on client needs for the Data. viii. Run reports to be utilized for planning in government ix. Utilize practices and tools for data extraction, queries, and data manipulation in accordance with business processes in government x. Work with Government integration platform to produce data for analytics, dashboard and reports xi. Enhancing data collection procedures to include information that is relevant for building analytic systems xii. Work with the Data Centre team to set up big data processing platforms and data pipelines for both batch and online data analysis. | |



| Position Requirements |
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| <p>Education</p> <ol style="list-style-type: none"> I. Minimum qualification of Bachelor’s Degree in Computer Science, Information Systems, Information Technology, Software Engineering, Statistics, Mathematics or a similar field from a recognized university; |
| <p>Experience</p> <p>Three years’ experience in data science/analytics in a large organization.</p> |
| <p>Technical Expertise</p> <ol style="list-style-type: none"> I. Excellent understanding of machine learning techniques and algorithms for both supervised, unsupervised, and reinforcement learning. II. Experience with common data science tools such as Python, NumPy, MATLAB, R, or SAS. III. Experience with data visualization tools, such as D3.js, ggplot, Seaborn, etc. IV. Ability to develop models on amazon web services or other cloud platforms using the above tools or frameworks such as TensorFlow is an added advantage. |
| Nature and Scope |
| <p>Interpersonal Skills</p> <ol style="list-style-type: none"> i. Aggressive problem diagnosis and creative problem-solving skills ii. Strong organizational skills to juggle multiple tasks within the constraints of timelines and budgets iii. Ability to work and thrive in a fast-paced environment, learn rapidly and master diverse software technologies and techniques. iv. Interpersonal skills v. Excellent communication skills (verbal & written) and presentation skills. |