Spatial Data Analyst – Cross Sector Based Project

Responsibilities

- Utilize advanced GIS techniques to analyze spatial data and solve complex geographic problems. Employ cutting-edge GIS methodologies to dissect spatial data, employing statistical, geostatistical and spatial analysis techniques to extract meaningful insights and address intricate geographic challenges.
- Develop and implement spatial models, algorithms, and tools to support decision-making processes. Design and create customized spatial models and algorithms to automate processes, optimize workflows and provide decision support across various organizational functions.
- Perform geospatial data processing, manipulation, and visualization tasks using GIS software. Process and manipulate large datasets using GIS software to extract relevant information, perform data transformations and visualize spatial relationships through interactive maps and visualizations.
- Conduct spatial analysis to support various projects and initiatives across departments. Collaborate with stakeholders to identify spatial analysis needs, design appropriate methodologies and execute analyses to inform decision-making and strategic planning efforts.
- Collaborate with cross-functional teams to gather requirements and deliver spatial solutions. Work closely with teams across departments to understand project objectives, gather data requirements and develop tailored spatial solutions to address specific business needs.
- Interpret and communicate analysis results effectively through maps, reports and presentations. Translate complex spatial analysis results into clear and actionable insights through visually compelling maps, reports and presentations for diverse audiences, including non-technical stakeholders.
- Stay updated on GIS technology trends and best practices to continuously improve analytical processes.
- Monitor advancements in GIS technology, attend conferences and participate in professional development opportunities to stay abreast of emerging trends and best practices in spatial analysis. Provide technical support and training to staff members on GIS tools and methodologies: Serve as a subject matter expert on GIS tools and methodologies, providing technical guidance, troubleshooting support, and hands-on training to staff members to enhance their GIS proficiency.
- Contribute to the development and maintenance of GIS databases and spatial datasets. Collaborate with database administrators and data managers to design and maintain GIS databases, ensuring data integrity, accuracy and accessibility for organizational use.

QUALIFICATIONS:

- Bachelor's or Master's degree in Geography, GIS, Environmental Science or related field. A solid educational foundation in geography, GIS or a related discipline provides a comprehensive understanding of spatial concepts, cartographic principles and geospatial technologies.

- Minimum 5+ years Proficiency in GIS software (e.g., ArcGIS, QGIS) and spatial analysis techniques. Demonstrated expertise in utilizing GIS software to manipulate, analyze and visualize spatial data, including proficiency in spatial analysis techniques such as buffering, interpolation and network analysis.

- Strong analytical and problem-solving skills with attention to detail. Proven ability to analyze complex spatial data, identify patterns and derive actionable insights, coupled with meticulous attention to detail to ensure data accuracy and reliability.

- Experience with geospatial data manipulation, analysis and visualization. Hands-on experience in processing, managing and analyzing geospatial datasets of varying formats and scales, and creating visually compelling maps and spatial visualizations to communicate findings effectively.

- Excellent communication and teamwork abilities. Effective communication skills, both verbal and written, to convey technical concepts and analysis results to diverse audiences, coupled with strong interpersonal skills to collaborate effectively with cross-functional teams and stakeholders.

- Familiarity with scripting languages (e.g., Python) for GIS automation is a plus: Knowledge of scripting languages such as Python for automating GIS tasks, developing custom geoprocessing tools and enhancing workflow efficiency adds value to the role by streamlining repetitive tasks and improving productivity.

- Prior experience in spatial analysis or related field preferred. Previous experience in conducting spatial analysis, GIS project management, or working in a related field such as urban planning, environmental science, or natural resource management is advantageous and demonstrates a practical understanding of applying GIS in real-world scenarios.

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JOB INFO

Posting Date: 07/03/2024

Location: (Hybrid), India

Apply Before: 30/11/2024

Job Type: Full Time