

Job: Consultant Project Scientist III (Data Analyst)

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Project title: NDMC Phase II: Developing Models to Estimate and Project Disease Burden to Inform Control and/or Elimination Strategies for Priority Diseases in India

About the project: IIT Bombay is the anchor organization of the National Disease Modelling Consortium (NDMC). The consortium partners with various institutions in the country for disease modelling work. The objective of the project is to address policy and programmatic questions through India-specific disease models, to improve disease control and intervention strategies in the country. More information about the consortium can be found at www.ndmconsortium.com

Educational Qualifications & Experience:

Professionals having proven competency and success in their area of specialization, with at least 10 years of post-qualification experience and should possess minimum M.Sc / B.Tech/ BE / MCA / MPH / B. Pharma/ BAMS/ BSMS / MD in Ayush or equivalent qualifications in relevant subjects. Preference will be given to PhD/MSc in data sciences or PhD in Computer Engineering or any other engineering / MTech Data science, Computer science, Statistics with experience in data science and a proven track record in managing and supervising data science teams.

Note:

1. PhD will be considered as 4 years' experience (irrespective of the duration taken to complete the degree)
2. MPH/ MTech / ME / M. Pharma will not be considered as any experience.

OR

Retired Government employees, with requisite qualification and who were in the regular pay level- 10 and above and having at least 10 years experience in the required specialization.

As the engagement of consultants would be on full time contract basis, they would not be permitted to take up any other assignment, either part time or full time, during the period of such engagement.

Desirable experience

- Strong proficiency in R and Python for data analysis and modeling, along with extensive SQL skills for database management.
- Comprehensive understanding of Azure/cloud-based server and database development, with demonstrated experience in implementing cloud solutions
- Exceptional analytical abilities and familiarity with statistical techniques relevant to data interpretation.
- Experience with data visualization tools, such as Tableau and Power BI.
- Strong leadership, critical thinking, and problem-solving skills, with the ability to work collaboratively across teams.

Job Profile:

- Lead and mentor a team of data scientists, facilitating collaboration, knowledge sharing, and professional growth to achieve project goals.
- Oversee the design and implementation of efficient database schemas and structures, ensuring optimal performance and scalability while maintaining data integrity and security.
- Guide the development, maintenance, and optimization of databases that support data storage and retrieval processes, including executing complex SQL queries for data manipulation.
- Drive the development of advanced data analysis and modeling, utilizing programming languages such as R and Python.

- Manage ETL (Extract, Transform, Load) processes to ensure data is prepared for analysis and reporting efficiently.
- Hands on experience working with data systems and platforms such as Azure Data Factory, Azure Storage, Data Lake, Azure Synapse, Databricks or similar
- Solid understanding of Cloud based data management, data analytics principles and tools
- Promote the use of data visualization tools (such as Tableau and Power BI) to communicate effectively and enhance understanding across the organization.
- Clearly communicate complex methodologies, findings, and analytical results to multidisciplinary teams and external partners. Contribute to the preparation of comprehensive research reports and presentations.

Age: Between 40 - 70 years

Pay Details: 1,50,772 per month consolidated