



भारतीय प्रौद्योगिकी संस्थान इंदौर

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IIT Indore

Advertisement for a Data Scientist (Multiple levels) at Charak Center for Digital Healthcare.

The Charak Center for Digital Healthcare at IIT Indore is looking for Data Scientists to develop algorithms for healthcare applications. The candidate is expected to research and devise innovative statistical models for data analysis, communicate findings to all stakeholders, and keep current with technical and industry developments in the application area. The ideal candidate will have mathematical and statistical expertise, natural curiosity and a creative mind. While mining, interpreting, and cleaning our data, this person will be relied on to ask questions, connect the dots, and uncover hidden opportunities for realizing the data's full potential. As part of a team of specialists, the data scientist will "slice and dice" data using various methods and create new visions for the future.

Key job responsibilities & skills:

- Programming Skills – knowledge of statistical programming languages like R, and Python, and database query languages like SQL, Hive, Pig is desirable. Familiarity with Scala, Java, or C++ is an added advantage.
- Statistics – Good applied statistical skills, including knowledge of statistical tests, distributions, regression, maximum likelihood estimators, etc. Proficiency in statistics is essential for data-driven companies.
- Machine Learning – good knowledge of machine learning methods like k-Nearest Neighbors, Naive Bayes, SVM, and Decision Forests.
- Strong Math Skills (Multivariable Calculus and Linear Algebra) - understanding the fundamentals of Multivariable Calculus and Linear Algebra is important as they form the basis of a lot of predictive performance or algorithm optimization techniques.
- Data Wrangling – proficiency in handling imperfections in data is an important aspect of a data scientist job description.
- Experience with Data Visualization Tools like matplotlib, ggplot, d3.js., Tableau that help to visually encode data
- Excellent Communication Skills – it is incredibly important to describe findings to a technical and non-technical audience.
- Strong Software Engineering Background
- Hands-on experience with data science tools
- Problem-solving aptitude
- Analytical mind and great business sense
- Degree in Computer Science, Engineering, or a relevant field is preferred
- Proven Experience as a Data Analyst or Data Scientist

Essential Qualification:

- Bachelors or Masters in relevant departments.

Duration:

- 2 months probation, followed by 1 year contract with renewal based on performance.

Emolument:

- As per industry standards based on education qualification, experience, and performance in the interview.

Application Last Date:

- Rolling basis. Shortlisting will be done frequently as soon as enough applications are available.

How to apply :

- Interested candidates may apply here <https://forms.gle/1YWzwFKm1kHaRNKS9> .