NOVARTIS

Data Scientist I

Job ID
REQ-10047871
May 15, 2025
India

Summary

Understand complex and critical business problems from Country/Regional/Global business functions, formulate integrated analytical approach to mine data sources, employ statistical methods and machine learning algorithms to discover actionable insights and automate process for reducing effort and time for repeated use. High agility to be able to work across various business domains (commercial, NTO, GDD, NIBR, NBS) or divisions (Onco, GenMeds, Sandoz). Able to use business presentations, smart visualization tools and contextual storytelling to translate findings back to business users with a clear impact. No direct team management.

About the Role

Data Scientist I

Location – Hyderabad #LI Hybrid

Major accountabilities:

- Work on a variety of business applications including but not limited to: Customer Segmentation & Targeting, Event Prediction, Propensity Modelling, Churn Modelling, Customer Lifetime Value Estimation, Forecasting, Recom-mender Systems, Modelling Response to Incentives, Marketing Mix Optimization, Price Optimization
- Develop automation for repeatedly refreshing analysis and generating insights Collaborates with globally dispersed internal stakeholders and cross-functional teams to solve critical business problems and deliver successfully on high visibility strategic initiatives
- Understand life science data sources including sales, contracting, promotions, social me-dia, patient claims and Real-World Evidence.
- Quickly learn the use of tools, data sources and analytical techniques needed to answer a wide range of critical business questions
- Articulate solutions/recommendations to business users. Works with senior data science team member to present analytical content concisely and effectively
- Manage own tasks and work with allied team members; plans proactively, anticipates and actively manages change, sets stakeholder expectations as required, identifies operational risks and independently drives issues to resolution, minimizes surprise escalations
- Independently identifies research articles and reproduce/apply methodology to Novartis business problems
- Has high learning agility and diligently follows updates in industry and area of work.

- **Essential Requirements:**

- Quality of insights generated, and solutions provided, with quantified business impact / ROI
- • Effective communication with Country/Regional/Global stakeholders• Executes agreed targets for self• Define and execute development plans for potential Subject Matter Experts• Find creative ways to build team capabilities and play a direct role in driving a culture of innovation• Values and Behaviors: in line with leadership standards of Novartis

- **Education:** PhD or Masters (or bachelor's from a top Tier University) in a quantitative discipline (e.g. Statistics, Economics, Mathematics, Computer Science, Bioinformatics, Ops Research, etc.)**Experience:**
- 7+ years of relevant experience in Data Science. In case of PhD, 4+ years post qualification experience. Experience in commercial pharma would be a bonus**.**
- Extensive experience required in: Statistical and Machine Learning techniques like Regression (esp., GLM, non-linear, etc.), Classification (CART, RF, SVM, GBM, etc.) Clustering, Design of Experiments, Monte Carlo Simulations, Statistical Inference, Feature Engineering, Time Series Forecasting, Text Mining and Natural Language Processing
- Good to have skills: Stochastic models, Bayesian Models, Markov Chains, Dynamic Programming and Optimization techniques, Deep Learning techniques on structured and un-structured data, Recommender Systems (content and collaborative filtering), etc.
- Tools and Packages: SAS, R, Python, SQL. Exposure to dashboard or web-apps building using Qliksense, R-Shiny, Flask, etc. would be an added advantage.

- **Why Novartis:** Our purpose is to reimagine medicine to improve and extend people's lives and our vision is to become the most valued and trusted medicines company in the world. How can we achieve this? With our people. It is our associates that drive us each day to reach our ambitions. Be a part of this mission and join us! Learn more here: https://www.novartis.com/about/strategy/people-and-culture

  You'll receive: You can find everything you need to know about our benefits and rewards in the Novartis Life Handbook. https://www.novartis.com/careers/benefits-rewards

  Commitment to Diversity and Inclusion:
  Novartis is committed to building an outstanding, inclusive work environment and diverse teams' representative of the patients and communities we serve.

  Join our Novartis Network: If this role is not suitable to your experience or career goals but you wish to stay connected to hear more about Novartis and our career opportunities, join the Novartis Network here: https://talentnetwork.novartis.com/network.

Why Novartis: Helping people with disease and their families takes more than innovative science. It takes a community of smart, passionate people like you. Collaborating, supporting and inspiring each other. Combining to achieve breakthroughs that change patients' lives. Ready to create a brighter future together? https://www.novartis.com/about/strategy/people-and-culture

Join our Novartis Network: Not the right Novartis role for you? Sign up to our talent community to stay connected and learn about suitable career opportunities as soon as they come up: https://talentnetwork.novartis.com/network

Benefits and Rewards: Read our handbook to learn about all the ways we'll help you thrive personally and professionally: https://www.novartis.com/careers/benefits-rewards

Division
US

Business Unit
Universal Hierarchy Node
Location
India
Site
Hyderabad (Office)
Company / Legal Entity
IN10 (FCRS = IN010) Novartis Healthcare Private Limited
Functional Area
Data and Digital
Job Type
Full time
Employment Type
Regular
Shift Work
No
Apply to Job

Accessibility and accommodation

Novartis is committed to working with and providing reasonable accommodation to individuals with disabilities. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to perform the essential functions of a position, please send an e-mail to diversityandincl.india@novartis.com and let us know the nature of your request and your contact information. Please include the job requisition number in your message.

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