

Senior Expert Data Science

Job ID
REQ-10035126
Dec 30, 2024
India

Summary

Understand complex and critical business problems, formulates integrated analytical approach to mine data sources, employ statistical methods and machine learning algorithms to contribute solving unmet medical needs, discover actionable insights and automate process for reducing effort and time for repeated use. To manage the implementation and adherence to the overall data lifecycle of enterprise data from data acquisition or creation through enrichment, consumption, retention, and retirement, enabling the availability of useful, clean, and accurate data throughout its usefull lifecycle. High agility to be able to work across various business domains. High agility to be able to work across various business domains. Integrate business presentations, smart visualization tools and contextual storytelling to translate findings back to business users with a clear impact. Independently manage budget, ensuring appropriate staffing and coordinating projects within the area. If managing a team: empowers the team and provides guidance and coaching, with initial guidance from more senior leaders supervised. This is usually their first people manager experience .

About the Role

Position Title : Senior Expert Data Science

Location – Hyd |India| #LI Hybrid

About the role

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Your responsibility includes but not limited to:

- Develop automation for repeatedly refreshing analysis and generating insights and collaborates with

globally dispersed internal partners and cross-functional teams to solve critical business problems and deliver successfully on high visibility critical initiatives

- Understand life science data sources including sales, contracting, promotions, social media, patient claims and Real-World Evidence and 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 works with allied team members; plans proactively, anticipates and actively manages change, sets partner expectations as required, identifies operational risks and independently drives issues to resolution, minimizes surprise customer concerns
- Independently identifies research articles and reproduce/apply methodology to Novartis business problems and 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 / return on investment, Effective communication with NBS CONEXTS and Country/Regional/Global partners
- Complete agreed targets for self-define and implement development plans for potential Subject Matter Experts and 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
- 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.

Desirable:

- Masters / PHD (or bachelor's from a top Tier University) in a quantitative subject area (e.g. Statistics, Economics, Mathematics, Computer Science, Bioinformatics, Ops Research, etc.)
- 6+ years of proven experience in Data Science experience in commercial pharma would be a bonus. Hands-on to SAS, Python (Programming Language), R (Programming Language), SQL. Exposure to dashboard or web-apps building using Qlik sense, R-Shiny, Flask, Apache Hadoop. Applied Mathematics. Big Data, Data Governance, Data Literacy, Data Visualization, Deep Learning, Machine Learning, Machine Learning Algorithms, Master Data Management, Proteomics, and Statistical Modeling.

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>

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>.

Commitment to Diversity & Inclusion:

Novartis embraces diversity, equal opportunity, and inclusion. We are committed to building diverse teams, representative of the patients and communities we serve, and we strive to create an inclusive workplace that cultivates bold innovation through collaboration and empowers our people to unleash their full potential.

Join our Novartis Network: If this role is not suitable to your experience or career goals but you wish to stay connected to learn more about Novartis and our career opportunities, join the Novartis Network here:

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

Operations

Business Unit

Innovative Medicines

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

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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.

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

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