NOVARTIS

Director Data Science

Job ID
REQ-10035614
Feb 20, 2025
Indien

Summary

• This role is part of commercial Data and Analytics team at Novartis
• Understands complex and critical business problems from a variety of stakeholders and business functions, formulate integrated analytical approach to mine data sources, employ statistical methods, machine learning algorithms and AI to discover actionable insights and automate process for reducing effort and time for repeated use.

About the Role

Key Responsibilities -

- Excellent written and verbal communication, business analysis, and consultancy skills.
- Ability to work and communicate with senior stakeholders across Novartis teams and proven track record to drive strategic priorities at enterprise level in a matrix environment
- Ability to translate business requirements to problem statements and drive hypothesis generation to identify right data science problems to be solved
- Accountable to drive full lifecycle of Data Science projects delivery and ability to guide data scientists in shaping the developing the solution and act as a subject matter expert in solving development and commercial questions
- Ability to deliver enterprise level scalable solutions along with proven capability in building and developing data science driven software products and understanding of software lifecycle management and agile product delivery

Technical Skills:

- Advanced knowledge and proven experience with the standard data science languages: Python, Databricks and Snowflake and familiarity with database systems (e.g. SQL, NoSQL, graph)
- Comfortable with version controlling (git etc.) and ML lifecycle management tools (MLflow), knowledge of Kedro preferred
- Experience in building statistical, econometrics, ML algorithms (random forest, GBM, clustering techniques, etc.), Basic understanding of optimization - greedy search, Understanding of Marketing Mix and Resource optimization Outputs.
- Understanding of Ex-US pharma data like interactions, sales, call plans
- Proficient in building Deep Learning pipeline (familiar with LSTM, Temporal CNN and other DL based time series techniques)
- Understanding of advanced optimization techniques - Particle Swarm, Bayesian Optimization etc.
- Advanced knowledge of multi cloud environments such as AWS, MS Azure, Databricks along with understanding and familiarity with software development principles

- Extensive experience in developing and scaling data science products at enterprise level and agile product development methodologies
- Understanding of algorithm design, development, optimization, scaling and applications with an ability to create reusable data science assets as service

Minimum requirements –

Master's / Ph. D in Computer Science / Bioinformatics / Epidemiology / Statistics / Decision Science / Quantitative Research / Econometrics / Computational Biology along with a post-graduate degree in Business Management. Robust understanding of pharmaceutical domain and pharma product life cycle.

Minimum 12 years of relevant experience in Pharma/Healthcare domain/Life sciences. Minimum 5 years of international experience working with Global teams.

WHY NOVARTIS?
766 million lives were touched by Novartis medicines in 2021, and while we're proud of this, we know there is so much more we could do to help improve and extend people's lives.

We believe new insights, perspectives and ground-breaking solutions can be found at the intersection of medical science and digital innovation. That a diverse, equitable and inclusive environment inspires new ways of working.

We believe our potential can thrive and grow in an unbossed culture underpinned by integrity, curiosity and flexibility. And we can reinvent what's possible, when we collaborate with courage to aggressively and ambitiously tackle the world's toughest medical challenges. Because the greatest risk in life, is the risk of never trying!

Imagine what you could do here at Novartis!

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.

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

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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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