

Director, Data Science (3 openings)

Job ID

REQ-10086525

Aug 26, 2026

LOC_US

About the Role

Key Responsibilities:

- Lead the development and deployment of scalable AI solutions, focusing on advanced AI applications across various business units.
- Be prepared to engage in hands-on work when necessary to support the team and further our data science initiatives.
- Collaborate with cross-functional teams to integrate AI-driven solutions across various platforms and services.
- Drive innovation by staying current with advancements in AI, particularly in generative models and LLM technologies.
- Champion the exploration and integration of cutting-edge AI technologies, particularly in the field of generative AI.
- Act as a key liaison between the US commercial team and the India-based data science team.
- Stay abreast of state-of-the-art foundation models and other innovative trends in data science and leverage these insights to inform our strategies.
- Bring a “can-do” attitude and teamwork and inspire others on culture change.
- Acts as an AI role model, championing a culture that embraces cutting-edge AI technologies and encourages experimentation and adoption of best practices

Experience:

Novartis is seeking an individual with proven experience working with machine learning models. They should have a strong ability to support cross-team development of AI programs. A firm commitment to driving continuous improvement in AI solutions, informed by current innovations, is vital to this role.

Essential Requirements:

- Advanced degree in Computer Science, Engineering, Statistics, or related field
- Minimum of 10 years of experience in data science, with 6 years of experience in the pharmaceutical industry is preferred.
- Build and deploy scalable machine learning models using cloud-based services such as AWS and Azure
- Strong understanding of deep learning algorithms, foundational/ LLM models, statistics, and recommendation system
- Deep knowledge of Large Language Models (LLMs) such as GPT, BERT, Cohere, and their applications in real-world scenarios.
- Ability to operate in a hands-on capacity when necessary.
- Proficient in programming languages such as Python, Spark, TensorFlow, and PyTorch
- Experience with digital channel selection for “next best action”

- Excellent problem-solving skills and ability to identify creative solutions to complex problems
- Strong ability to effectively communicate and work across different time zones

Novartis Compensation Summary:

The salary for this position is expected to range between \$194,600 and \$361,400 per year.

The final salary offered is determined based on factors like, but not limited to, relevant skills and experience, and upon joining Novartis will be reviewed periodically. Novartis may change the published salary range based on company and market factors.

Your compensation will include a performance-based cash incentive and, depending on the level of the role, eligibility to be considered for annual equity awards.

US-based eligible employees will receive a comprehensive benefits package that includes health, life and disability benefits, a 401(k) with company contribution and match, and a variety of other benefits. In addition, employees are eligible for a generous time off package including vacation, personal days, holidays and other leaves.

Role Requirements

Division

DIV_IU

Business Unit

General Management

Location

LOC_US

Site

East Hanover

Company / Legal Entity

U014 (FCRS = US014) Novartis Pharmaceuticals Corporation

Functional Area

FCT_DD

Job Type

Full time

Employment Type

Regular

Shift Work

No

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