NOVARTIS

Director, AI Technology Lead

Job ID
REQ-10043984

3   17, 2025

USA

This position will be located in East Hanover, NJ.

About the Role

The Insights and Decision Science (IDS) team is dedicated to enabling improved decision making at Novartis by leveraging superior data, AI, and innovative technology to identify actionable insights that drive enhanced performance. We collaborate closely with the US business, bringing insights and challenging ideas to empower smarter, data-driven decision-making. Reporting into the VP Head, AI and Innovation, the Director of AI Technology is crucial in driving the strategic integration of artificial intelligence into our product offerings, enhancing our competitive edge in the pharmaceutical industry.

This position plays a pivotal role in leading the team that will identify and develop prototypes of AI

based solutions leveraging emerging opportunities in generative and agentic AI to support the broader IDS goals. Additionally, this individual will interact directly with business users and IDS team to showcase tech capabilities, translate requirements to innovative solutions and options, and aid in the development of architecture and roadmaps to support use case prototypes or projects to host products created by the Data Science Team.

Key Responsibilities:

- Exhibit strong technical acumen in AI technologies and their application to business solutions, ensuring alignment with organizational goals
- Demonstrate strategic vision and the ability to translate complex business objectives into actionable technical plans and roadmaps
- Build and nurture trust-based relationships with diverse stakeholders, fostering collaboration and understanding across teams
- Lead with agility and innovation, driving the rapid development and iteration of AI solutions to meet evolving business needs
- Communicate effectively, conveying complex technical concepts in a clear and accessible manner to non-technical stakeholders
- Provide insightful contributions to strategic reviews, leveraging a whole market perspective to enhance customer understanding
- Guide the development of robust solution architectures, ensuring scalability and integration with existing systems
- Facilitate a collaborative team environment, encouraging diverse perspectives and fostering a culture of continuous improvement
- Oversee comprehensive testing processes, ensuring solutions meet key business questions and deliver tangible outcomes.
- Manage project timelines and priorities effectively, balancing the need for rapid prototyping with risk mitigation strategies

Essential Requirements:

Novartis seeks an experienced leader with have a proven track record in successfully building product prototypes, with a strong ability to engage with key stakeholders to gather and incorporate feedback. A deep understanding of how AI solutions can address critical business challenges, such as enhancing patient outcomes and optimizing research and development processes, is essential. The candidate should be adept at comprehensive design blueprints and seamless integration of AI technologies. A commitment to driving continuous improvement in AI solutions, informed by data insights and industry trends, is vital to this role.

Additional qualifications are as follows:

- Bachelor's degree in related field is required; Master of Science and/or MBA preferred
- 8-10 years of experience in tech development in the healthcare industry, including full-stack development experience
- Extensive experience building relationships with stakeholders to translate AI and technology innovations into business value
- Highly proficient in building AI product prototypes, working in conjunction with data science teams
- Demonstrated ability to oversee the entire AI product development process, with experience creating solution roadmaps
- Strong data analytics, AI, and machine learning background
- Strategic planning capability combined with an outstanding ability to drive execution with a focus on directing operational enhancements to increase quality and effectiveness
- Proven teamwork, collaboration, and people management skills and ability to work in a dynamic, fast-paced, multifunctional environment
- Strong communication skills and experience explaining highly technical information to a wide range of audiences

The pay range for this position at commencement of employment is expected to be between $160,300.00 and $297,700.00 a year; however, while salary ranges are effective from 1/1/25 through 12/31/25, fluctuations in the job market may necessitate adjustments to pay ranges during this period. Further, final pay determinations will depend on various factors, including, but not limited to geographical location, experience level, knowledge, skills and abilities. The total compensation package for this position may also include other elements, including a sign-on bonus, restricted stock units, and discretionary awards in addition to a full range of medical, financial, and/or other benefits (including 401(k) eligibility and various paid time off benefits, such as vacation, sick time, and parental leave), dependent on the position offered. Details of participation in these benefit plans will be provided if an employee receives an offer of employment. If hired, employee will be in an " at-will position" and the Company reserves the right to modify base salary (as well as any other discretionary payment or compensation program) at any time, including for reasons related to individual performance, Company or individual department/team performance, and market factors.

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

US

Business Unit
Innovative Medicines

USA

New Jersey

East Hanover

Company / Legal Entity
U014 (FCRS = US014) Novartis Pharmaceuticals Corporation

Functional Area
Technology Transformation

Job Type
Full time

Employment Type
Regular

Shift Work
No

[Apply to Job](#)

Job ID
REQ-10043984

Director, AI Technology Lead

[Apply to Job](#)

List of links present in page

1. https://www.novartis.com/about/strategy/people-and-culture
2. https://talentnetwork.novartis.com/network

3. https://www.novartis.com/careers/benefits-rewards
4. https://novartis.wd3.myworkdayjobs.com/en-US/NovartisCareers/job/East-Hanover/Director--AI-Technology-LeadREQ-10043984-1
5. https://novartis.wd3.myworkdayjobs.com/en-US/NovartisCareers/job/East-Hanover/Director--AI-Technology-LeadREQ-10043984-1