NOVARTIS

Senior Expert Data Science - GenAI Engineer

Job ID
REQ-10060901

9   02, 2025

Czech Republic

Are you passionate about harnessing the power of data to transform healthcare? As a Senior Expert Data Science - Gen AI Engineer, you'll play a pivotal role in solving complex business challenges and uncovering insights that drive innovation across life sciences. You'll lead the development of advanced analytics and automation solutions, shaping how Novartis leverages data to improve patient outcomes. With opportunities to collaborate across domains and influence global strategies, this role offers a unique chance to make a meaningful impact while growing your career in a dynamic, purpose-driven environment.

About the Role

LI-Hybrid

Primary Location: Prague, CZ

Other Locations: Ljubljana, Slovenia, Hyderabad, India, Barcelona, Spain

Relocation Support: This role is based in Ljubljana, Slovenia. Novartis is unable to offer relocation support: please only apply if accessible.

Key Responsibilities

- Lead development of advanced analytics and automation solutions to address critical business challenges
- Collaborate with cross-functional teams and external partners to deliver data-driven insights
- Apply statistical models and machine learning algorithms to structured and unstructured life science data
- Translate complex findings into actionable business intelligence using smart visualization and storytelling
- Manage project budgets, staffing, and timelines with minimal supervision
- Evaluate and implement new technologies and scientific software to enhance data practices
- Mentor junior team members and contribute to a culture of innovation and continuous learning

Essential Requirements

- A university degree in Computer Science, Mathematics, Statistics, Engineering, or Economics with a specialization in Information Technologies is required.
- Minimum 15 years of experience in data science, with proven global solution delivery
- Strong expertise in statistical modeling, machine learning, and deep learning techniques
- Proficiency in Python and R programming languages for advanced analytics
- Demonstrated ability to manage data lifecycle and ensure data quality and governance
- Experience working with diverse life science data sources and real-world evidence
- Excellent communication skills to translate complex data into actionable insights
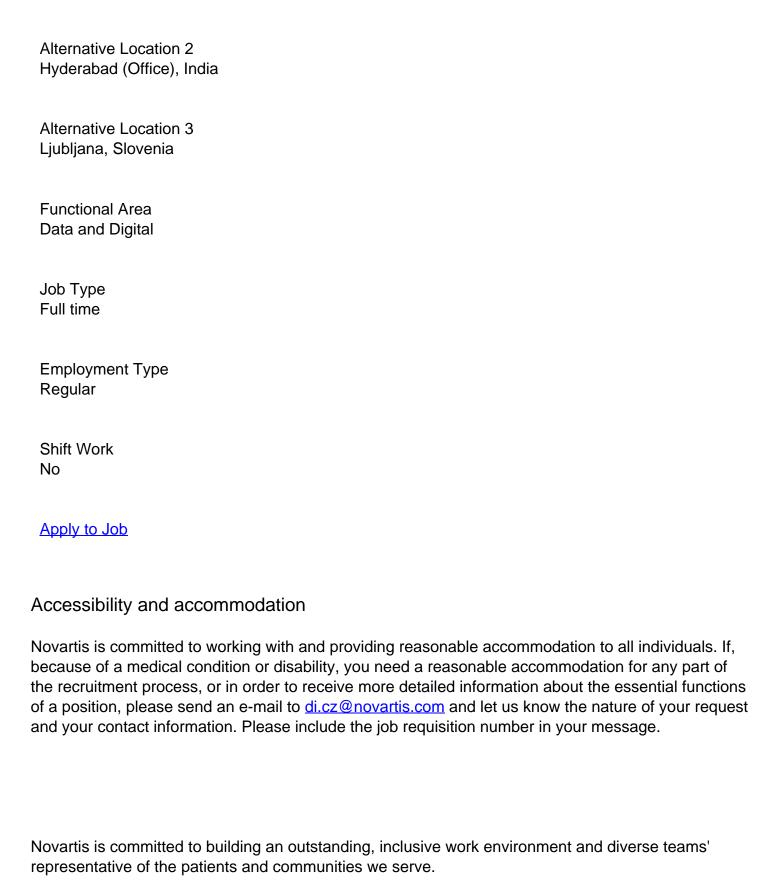
Desirable Requirements

- Experience with Gen AI technologies

Benefits & Rewards: Monthly pension contribution matching your individual contribution up to 3% of your gross monthly base salary; Risk Life Insurance (full cost covered by Novartis); 5-week holiday per year; (1 week above the Labour Law requirement); 4 paid sick days within one calendar year in case of absence due to sickness without a medical sickness report; Cafeteria employee benefit program – choice of benefits from Benefit Plus Cafeteria in the amount of 17,500 CZK per year; Meal vouchers in amount of 105 CZK for each working day (full tax covered by company); Public transportation allowance; MultiSport Card, Employee Share Purchase Plan. Find out more about Novartis Business Services: https://www.novartis.cz/

Commitment to Diversity and Inclusion /EEO:

Novartis is committed to building an outstanding, inclusive work environment and diverse teams

representative of the patients and communities we serve.

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

Operations

Business Unit
CTS

Czech Republic

Prague

Company / Legal Entity
CZ02 (FCRS = CZ002) Novartis s.r.o.

Alternative Location 1
Barcelona Gran Ví a, Spain

Alternative Location 2
Hyderabad (Office), India

Alternative Location 3
Ljubljana, Slovenia

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 all individuals. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to receive more detailed information about the essential functions of a position, please send an e-mail to di.cz@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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List of links present in page

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