

Senior Expert Data Science, AI Methods

Job ID
REQ-10079376

6月 26, 2026

India

摘要

Job Title: Senior Expert Data Science, AI Methods.

#LI-Hybrid

Primary Location: Hyderabad, India

Relocation Support: Yes

No of positions: 2

Join us at the forefront of AI-driven drug discovery, where your work will directly shape how breakthrough therapies are discovered and developed. As a Senior Expert in AI Methods, you will push the boundaries of machine learning to solve complex biomedical challenges, designing innovative models and approaches that accelerate research impact. Working alongside world-class scientists and AI experts, you will translate cutting-edge methods into real-world solutions that help bring better medicines to patients, faster.

About the Role

Key Responsibilities

- Develop advanced machine learning models to solve complex biomedical research and drug discovery challenges
- Design and implement innovative AI methodologies to accelerate therapeutic discovery and research outcomes
- Collaborate with scientists and domain experts to translate research needs into scalable AI solutions
- Evaluate emerging AI techniques and identify opportunities for methodological innovation across research pipelines
- Build and optimize robust, high-performance algorithms for large-scale data and model training
- Drive adoption of AI solutions by integrating engineering and product development practices
- Translate model outputs into actionable scientific hypotheses to guide experimental design
- Define and track metrics to measure impact and performance of AI models in real-world applications
- Lead cross-functional collaborations to advance AI-driven research initiatives within the organization
- Communicate complex technical concepts clearly to diverse stakeholders across scientific and technical domains

Essential Requirements

- Bachelor's or master's degree in computer science, artificial intelligence, or a related quantitative field
- Minimum 4 years of experience in machine learning model development, deployment, and continuous improvement
- Strong expertise in deep learning methods including representation learning and generative modeling techniques
- Proficiency in Python and experience with modern deep learning frameworks for large-scale model development
- Experience with distributed computing, large-scale model training, and foundation model adaptation
- Ability to communicate complex technical concepts clearly and collaborate effectively within cross-functional teams

Desirable Requirements

- Experience applying machine learning techniques to drug discovery areas such as target identification or protein modeling
- Publications, patents, or open-source contributions demonstrating innovation in machine learning

Commitment to Diversity and Inclusion:

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

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>

Benefits and Rewards: Learn about all the ways we'll help you thrive personally and professionally. [Read our handbook \(PDF 30 MB\)](#)

部门

Biomedical Research

Business Unit

Information Technology

地点

India

站点

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

```
var kPlayer = KalturaPlayer55802022 || KalturaPlayer; var config = { targetId:
"kalturaplayer6a3eeb542140e502998612", provider: { widgetId: "10m7rm1pm", partnerId:
"2076321", uiConfId: "55802022" }, playback: { autoplay: false, autopause: false, muted: false, loop:
false }, sources: { options: {}, startTime: 0 }, disableUserCache: "true", plugins: {}, sources: { options:
{}, startTime: 0 }, ui: { showCCButton: false, settings: { showQualityMenu: true, showSpeedMenu:
false }, components: { fullscreen: { disableDoubleClick: false } }, uiComponents: [ { presets:
['Playback', 'Live'], area: 'BottomBarRightControls', replaceComponent: 'Fullscreen', get:
kPlayer.ui.components.Remove } ] } }; // Check and add plugins only if they exist if
(kPlayer.plugins["download"]) { config.plugins.download = { disable: true }; } if
(kPlayer.plugins["transcript"]) { config.plugins["playkit-js-transcript"] = { position: "right", // Default:
bottom;('left', 'right', 'top', 'bottom') to enable transcript. expandMode: "over", // Default:
alongside;('alongside', 'hidden', 'over') expandOnFirstPlay: false, showTime: true, downloadDisabled:
false, printDisabled: false, disable: true }; } if (kPlayer.plugins["preventSeek"]) {
config.plugins.preventSeek = { preventSeekForward: false, preventSeek: false }; }
config.plugins.floating = { disable: true }; if (kPlayer.plugins["navigation"]) { config.plugins.navigation =
{ position: "right", expandMode: "over", expandOnFirstPlay: false, visible: false }; } if
(kPlayer.plugins["hotspots"]) { config.plugins["playkit-js-hotspots"] = { disable: true }; } if
(kPlayer.plugins["moderation"]) { config.plugins["playkit-js-moderation"] = { disable: true }; } if
(kPlayer.plugins["info"]) { config.plugins["playkit-js-info"] = { disable: true }; } if
(kPlayer.plugins["share"]) { config.plugins.share = { disable: true }; } config.ui.uiComponents = []; if
(kPlayer.plugins["googleAnalytics"]) { config.plugins.googleTagManager = {};
config.plugins.googleTagManager.customEventsTracking = {};
config.plugins.googleTagManager.containerId = 'GTM-57RJQ5';
config.plugins.googleTagManager.customEventsTracking.custom = [];
config.plugins.googleTagManager.customEventsTracking = { preset: { coreEvents: true, UIEvents:
false, playlistEvents: false, castEvents: false } }; }
```

```
// Ensure the global player registry array always exists, regardless of embed type.
window.kalturaPlayerVideos = window.kalturaPlayerVideos || []; try { var kalturaPlayer =
kPlayer.setup(config); // Add the player to the global array.
window.kalturaPlayerVideos.push(kalturaPlayer); // Load the Player for other media.
kalturaPlayer.loadMedia({entryId: "1_dgfvmafo"}); } catch (e) { console.error(e.message) }
```

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