

## Careers in Digital

Through the use of analytics and advanced technologies we are fundamentally transforming how we deliver innovative science, operational excellence and more personalized customer experiences.

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100m+

Invested in Digital (USD)

- 

12

Digital priority projects

- 

1 500

Digital and data associates

- 

769m

## How do we aim to do it?

- Using enhanced predictive power with our 20 petabytes of patient data to develop new medicines and bring them to market faster
- Optimizing and automating processes in order to drive breakthrough innovation and operational excellence
- Partnering with the global healthtech ecosystem

## Bring your skills and help transform the future of health.

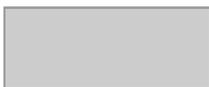


### Product Management

Work cross-functionally to drive forward products from conception to launch by connecting technical and business partners as a product owner, product manager, or solution delivery lead at Novartis.

#### Skills:

- Product Vision
- Project Management
- Product Management
- Product development
- Agile methodologies (Scrum)
- Product portfolio
- Product Launch
- Solution Delivery
- Solution Design
- Solution Deployment



### Data Strategy

Bring your passion for data governance and architecture to clean, link and build data pipelines that allow for scalable extraction and analysis.

#### Skills:

- Data Governance & Protection
- Data Infrastructure & Enterprise Information Management
- Data transformation
- Data Platform

- Data-driven solutions
- Architecture
- Data Quality Management
- Data Ownership
- Metadata Management
- Data informed decision making

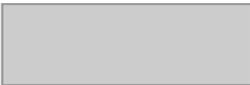


## Data Engineering

Collaborate with business partners to understand analytics needs, and use your big data skills to provide analytical solutions to internal clients.

### Skills:

- Data Architecture
- Data Warehousing
- Big Data Infrastructure
- Machine Learning
- Infrastructure and data set building
- Large-scale data processing
- System maintenance and monitoring
- Raw data analysis
- Structured and unstructured processing for analytic modeling



## Digital Marketing

Help drive new ways of reaching and interacting with internal and external partners through digital channels.

### Skills:

- eCommerce
- Omnichannel Marketing
- Customer Engagement
- Brand Management & Innovation
- Cross-functional partnership management
- Digital Transformation
- Commercial Excellence
- Digital Marketing Strategy
- Data & Analytics
- Digital Roadmap
- Digital Engagement
- Social Media Engagement
- User experience Design

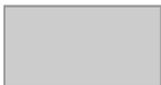


## Data Science

Coordinate, mine, and analyze large amounts of data to drive optimization across the enterprise.

### Skills:

- Advanced Analytics
- Data Visualisation
- Machine Learning
- Artificial Intelligence
- Computer Science
- Data modeling
- Algorithms
- Data Architecture
- Predictive model
- Data wrangling and preprocessing
- Coding
- Data visualization



## Developer

Build and create software and applications that support Novartis' digital ambitions.

### Skills:

- Front end, backend and full stack technology development
- Cloud, Web and Mobile technologies
- Modern Architecture and Frameworks
- Continuous Integration/Continuous Development (CI/CD)
- Agile & Lean Methodologies

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Our journey towards reimagining medicine brings extraordinary opportunities.

Within Digital at Novartis, we:

- Experience industry-first global projects that have a life-changing purpose
- Shape a startup environment in an organization with global reach
- Collaborate in small and nimble teams

Read more about our [Data and Digital](#) <sup>[1]</sup> approach.

## Novartis AI for Life Residency Program

The first-of-its-kind for the healthcare industry, this 12-month program aims to give recent data science graduates and researchers an unprecedented opportunity to apply their cutting-edge data science and AI expertise to real-world healthcare challenges.

[Learn More](#) [2]

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Learn more about Digital at Novartis

- [Data and Digital at Novartis](#) [1]
  - [Artificial Intelligence \(AI\) at Novartis](#) [3]
  - [AI is changing the face of healthcare](#) [4]
  - [Artificial intelligence decodes cancer pathology images](#) [5]
  - [Embracing big data to understand complex diseases](#) [6]
  - [Novartis Biome](#) [7]
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- [The coronavirus is giving health and pharma companies a chance to woo tech talent](#) [8]
- [Breaking Through The Glass Ceiling - A Spring For Women In Artificial Intelligence](#) [9]
- [Novartis research shows technology talent increasingly drawn to pharma industry since COVID-19, to solve healthcare challenges](#) [10]

**Footnotes:**

# Join us in building the leading medicines company powered by data and digital.

[Career Search](#) [11]

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**Source URL:** <https://www.novartis.com/careers/digitalcareers>

**Links**

[1] <https://www.novartis.com/our-focus/data-and-digital>

[2] <https://www.novartis.com/our-focus/data-and-digital/artificial-intelligence/ai-life-residency-program>

[3] <https://www.novartis.com/our-focus/data-and-digital/artificial-intelligence>

[4] <https://www.novartis.com/stories/access-healthcare/ai-changing-face-healthcare>

[5] <https://www.novartis.com/stories/discovery/artificial-intelligence-decodes-cancer-pathology-images>

[6] <https://www.novartis.com/stories/discovery/embracing-big-data-understand-complex-diseases>

[7] <https://www.biome.novartis.com/>

[8] <https://www.fastcompany.com/90542938/health-and-pharma-companies-have-a-window-to-woo-tech-talent>

[9] <https://www.forbes.com/sites/cognitiveworld/2020/05/25/breaking-through-the-glass-ceiling-a-spring-for-women-in-artificial-intelligence/#5522473d778b>

[10] <https://www.novartis.com/news/novartis-research-shows-technology-talent-increasingly-drawn->

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[11] <https://www.novartis.com/careers/career-search#keyword=AI%20and%20Data%20Science>