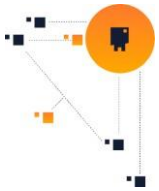
Everwell

Data Science Lead



Location: *Delhi/ Bangalore, India*

> *We work with datasets of >10M patients and >1B health signals. What can we learn from them?*
>
> Everwell is looking for a highly experienced professional (10+ years' experience) with a strong data science background, and experience managing a team and engaging with external partners such as research organizations and government agencies. If you have previously worked to help define a data science agenda within an organization, built a team to align goals with the company's broader agenda, and analyzed large data sets, especially with public health information, then this is the ideal role for you.
>
> Everwell collaborates across a host of partners including governments, international NGOs, hospitals, the WHO, and other health implementation partners to ensure that our technical solutions are architected and deployed for maximum impact. We are in a critical position to support our partners analyze essential health information relating to global diseases such as Tuberculosis, HIV, COVID, and more. In this role, successful candidates would be the data science representative for Everwell and lead high-level strategy and planning discussions both internally and with critical partners. They would be the overall steward of the data captured by our platform, analyzing both user trends and health metrics to measure impact of our work.

About Everwell

Everwell invents, designs, builds and deploys user-centric technology for healthcare programs across the world. From new ideas in patient health management, to integrating and building best-in-class tools inside a unified global platform, we tackle critical, challenging, real-world problems in health and engineering innovation.

We started with an idea called 99DOTS, a low-cost solution to tackle the challenge of adherence to medication. Over time we have expanded to support a broad patient management ecosystem (spanning mobile, web, SMS, IVR etc.) – called the Everwell Hub.

- The Everwell Hub is a state of the art, open-source patient management platform optimized for large scale health programs.
- It supports a wide variety of things related to health care management (including various adherence technologies like 99DOTS, pill boxes; end to end patient and staff management; engagement features; country specific needs like Direct Benefit Transfers to stakeholders etc.).

The platform is available in two offerings -

- Software as a Service (SaaS) model for small deployments
    - This deployment supports pilots in 13 countries across the globe.
    - It supports 3 adherence technologies - 99DOTS, electronic pillboxes and Video Observed Therapy.
- Custom Platform as a Service (PaaS) deployments for large deployments

- An example of this is www.nikshay.in which is the national ICT system for all TB management for India (>10 million patients across public and private sector; > 0.5 million facilities)
- Direct Benefit Transfer schemes in India (targeting a distribution of ~ 600 crore INR / 85 million USD per year directly to patients and staff) are also launched on this platform.

Our team

Our work has been recognized and praised by Bill Gates and Satya Nadella as some of the most innovative technology work for social good. As a spin-out company from Microsoft Research India, Everwell's diverse team comes from Harvard, MIT, Cambridge, BITS, IIIT and other strong institutes and companies with a history of collaborations developing innovative technology. We pride ourselves on focusing on users first, thinking from the user perspective given the spectrum of technology access and acceptability for patients – born out of research, we rigorously evaluate and measure as we develop. Everwell fosters a culture of continual learning and development, a collaborative and exciting office environment, personal ownership of projects and career growth, flexible work schedules, and always encourages team members to have a fulfilling life outside of work.

The role

We are looking for a highly experienced professional with a data science background who has previously owned the research and analysis agenda around large data sets. This will involve working with a host of partners including governments, international NGOs, charitable foundations, hospitals, the WHO, and other health implementation partners to establish a relevant agenda for analysis, follow privacy and access protocols, identify and analyze trends, and explain and communicate them to a variety of audiences.

In particular, Everwell is the technical partner for the development and deployment of Nikshay, the ICT management system for patient management for TB in India. Much of this role would be working with the Ministry of Health and Family Welfare, Central TB Division, WHO, funders, and other partners working with Nikshay in India for whom data insights drive programmatic policies. These engagements entail discussing data sources, protocols/ standards for integration with existing systems, data visualization and analysis, and AI/ML developments on large data sets.

Outside of Nikshay, this role would also help us analyze user trends for critical populations seeking treatment alongside National TB Programs (NTP) and other partners. This role would help establish our strategy for understanding uptake and usage for our products, engage with the product and program teams for interpreting results, and work with the engineering teams to evangelize and develop the features based on data insights.

The ideal candidate will have led a large data science effort previously and will be passionate about using their skillsets to impact global public health. They will be comfortable representing Everwell and explaining complex concepts to a variety of audiences, internally and externally, and drive discussions with senior leadership within the company around our strategy. They should also have a demonstrated ability to think strategically about business, product, and technical challenges, as well as experience leading large-scale projects.

Responsibilities

- Lead a team of data scientists to analyze data sets, identify trends, develop reports, and ultimately drive feature development and research publications based on findings
- Drive efforts to implement a data science framework to inform our product design, trajectory, and yield programmatic insights around our existing work
- Oversee our data science engagements, represent Everwell in partnerships and be the point of contact for new data initiatives
- Help set goals and guide the data strategy for Nikshay (India's national TB platform)
- Engage with external partners to socialize our data science work and foster collaborations around data visualization, communication APIs, and AI/ML model development and feedback to features
- Co-develop a strategy for analyzing and viewing data for the Government of India as well as our international partners, including key health metrics and visualizations to aid in decision making
- Engage with software engineers to ensure a responsive and performant data infrastructure
- Be the steward of our data privacy policies and ensure compliance with EMR/EHR standards
- Represent Everwell in international conferences, meetings, and discussions with partners

Qualifications

- Technical degree and/or expertise in Computer Science, Data Science, Machine Learning, Biostatistics, Econometrics, or related fields required; Master's or Ph.D. a plus
- 8+ years of work in a field related to data science, or relevant work. Exceptional candidates with less experience can be considered on a case by case basis
- Familiarity with health care and associated privacy standards a plus
- Strong verbal and written communication skills are a must, as well as the ability to work effectively across internal and external organizations.
- Experience leading large-scale data science efforts a must - added bonus for experience in healthcare or working on government projects
- Mission-driven approach to support global programs to end TB and other public health threats
- Ability to occasionally travel, or alternately virtually, represent Everwell in high-level discussions with partners globally, as well as with field partners across the country working with our products

Compensation

Commensurate with experience and extremely competitive to the market.

How to Apply

Email careers@everwell.org with an English version of your CV, subject line: Data Science Lead application