Job Title – Director_Data Science

Location – New Delhi

Reports to – CEO/ COO

CAREER OPPORTUNITY

SaveLIFE Foundation (SLF) is a non-profit organisation committed to saving lives on roads in India. We have been recognised as the *Best NGO in India* by the Rockefeller Foundation and are a recipient of the prestigious Prince Michael International Road Safety Award. We partner directly with the government, industry, and local communities across India to make the most dangerous roads safer.

Road crashes kill over 1.3 million people globally each year. India holds the dubious distinction of being world number one in road crash deaths, with at least 150,000 fatalities and over one million serious injuries per year. Most victims come from extremely poor backgrounds. Road crashes have emerged as the number one cause of death for Indians in the age-group of 15-45, dealing a crushing blow to the nation's productivity and a loss of 3% to our GDP each year - an amount that can eradicate hunger from India, twice over each year. Tragically, road crashes in India are also one of the biggest causes of death for children under age 14, with over twenty fatalities each day, mostly in the vicinity of schools.

SLF operates at the intersection of policy-making and grassroots impact. We are best known for getting India a Good Samaritan Law that encourages bystanders to help critically injured persons on the road, expected to save 50% lives otherwise lost to preventable injuries. Most recently, SLF has delivered an astounding **43% reduction in fatalities** on the Mumbai-Pune Expressway through a combination of measures ranging from improved road engineering, to technology-driven traffic enforcement to optimised trauma response – the **Zero Fatality Corridor (ZFC) model**.

Media References:

https://indianexpress.com/article/cities/pune/zero-fatality-corridor-project-fatal-accidents-on-expressway-downby-over-40-pc-in-3-years-6249467/

https://www.nytimes.com/2016/06/21/opinion/campaigning-to-make-indias-roads-safer.html

https://www.nationalgeographic.com/news/2016/11/piyush-tewari-explorer-moments-training-delhi-doctors-foremergency-medical-care/

We are looking for a dynamic and self-motivated individual to join our team as *DIRECTOR- DATA SCIENCE.*

POSITION SUMMARY:

Director_Data Science at SLF will turn data into information and information into insights. He/ She will work closely with different teams to develop and deploy research frameworks to support data- driven decision making. Different teams at SLF source, use, and analyze data as part of their work. Director-Data Science will ensure different projects are data-driven and help us re-imagine transformational road safety solutions through robus data analysis.

Website: www.savelifefoundation.org

Kindly mail your CV to careers@savelifefoundation.org

ESSENTIAL DUTIES & RESPONSIBILITIES: (DETAILED DESCRIPTION)

- Work with project teams and different stakeholders to understand the requirements, challenges and opportunities of existing data sets.
- Assess the effectiveness and accuracy of new data sources and data gathering techniques.
- Ability to define end to end data pipelines.
- Develop custom data models and algorithms to apply to data sets.
- Develop A/B testing framework and test model quality.
- Coordinate with different functional teams to implement models and monitor outcomes.
- Develop processes and tools to monitor and analyze model performance and data accuracy.
- Develop technical architecture and product specifications.
- Set and continually manage project expectations with team members and other stakeholders.
- Account for meeting project scope, milestones and cost objectives.
- Create proof-of-concepts to demonstrate viability of solutions
- Develop and manage comprehensive research and M&E frameworks for different programs. Conducting quantitative (using SPSS, STATA, R or similar software,) or qualitative (using software like Atlas.ti) data analysis to model data

EDUCATION QUALIFICATION AND COMMUNICATION SKILLS

- The Director Data Science has to have a **master's degree (Premier Institute)** in Statistics, Machine Learning, Mathematics, Computer Science, Economics, or any other related quantitative field. An equivalent of the same in working experience is also acceptable for the position.
- Excellent written and verbal communication skills preferably Hindi and English.

EXPERIENCE

- The candidate for this position will have had at least 10 years of working experience in a data science capacity, preferably working as a Head of Data Science.
- He/ She will also have a demonstrated and successful experience leading a data science team through the implementation of new data science models, tools, and techniques that lead to improvement if business performance due to a continued culture of informed decision-making.
- The candidate will also have extensive experience solving analytical issues through quantitative approaches and machine learning methods as well as vast experience using advanced statistical methods, data mining techniques, and information retrieval.
- A suitable candidate will show comfort analyzing and manipulating large, complex, high-dimensional data from numerous sources.
- The candidate will also have had experience working with distributed computing tools such as Hadoop as well as experience working with big data technologies such as SQL, A suitable candidate will also have had vast experience with a programming languages, for example, Python.

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