

Senior Data Scientist - Healthcare Analytics

About the position:

We are seeking a highly skilled and experienced Senior Data Scientist to join our organization.

As a Senior Data Scientist, you will play a critical role in analyzing vast amounts of healthcare data, building recommendation engines for therapy regimens and therapy game content, and collaborating with cross-functional teams to deliver data-driven insights. You will have the opportunity to work with cutting-edge technologies, large-scale datasets, and complex analytics projects in the healthcare domain.

Responsibilities:

- Develop and implement advanced analytics solutions to extract actionable insights from healthcare data, including medical records and therapy game usage data.
- Collaborate with stakeholders to understand business requirements, define analytical goals, and design appropriate data models and algorithms.
- Build recommendation engines to optimize therapy regimens and personalize therapy game content for patients.
- Perform data preprocessing, data cleaning, and data engineering tasks to ensure the accuracy, integrity, and usability of the data.
- Apply statistical and machine learning techniques to analyze complex healthcare datasets and identify patterns, trends, and correlations.
- Create predictive models to forecast patient outcomes, treatment efficacy, and disease progression.
- Collaborate with full-stack engineers to integrate data science solutions into our systems, ensuring scalability and performance.
- Stay up-to-date with the latest advancements in data science, healthcare analytics, and relevant technologies, and apply them to solve complex problems.

Qualifications

- Master's degree in a quantitative field such as Computer Science, Statistics, Mathematics, or a related discipline. Equivalent work experience will also be considered.
- Proven experience carrying projects throughout the data science lifecycle, from requirements gathering and EDA to modeling and deployment. Prior experience with healthcare analytics and medical record systems is highly desirable.
- Solid understanding of statistical modeling, machine learning algorithms, and data mining techniques.
- Proficiency in programming languages such as Python or R, and experience with relevant libraries and frameworks (e.g., TensorFlow, PyTorch, scikit-learn).
- Strong knowledge of core development tools like git and Python environment management (e.g., Anaconda, virtual environments).
- Familiarity with basic infrastructure needs for developing and deploying ML and analytics systems into a production environment.
- Hands-on experience with data preprocessing, feature engineering, and data visualization.
- Strong problem-solving skills and the ability to formulate complex problems into actionable solutions.
- Excellent communication skills to effectively collaborate with cross-functional teams and present findings to both technical and non-technical stakeholders.
- Familiarity with healthcare regulations and privacy standards (e.g., HIPAA) is highly desirable.

We offer competitive compensation, a collaborative work environment, and the opportunity to make a meaningful impact in the healthcare industry through data-driven insights and innovation.

To apply: Send resume & cover letter (please include salary requirements) to info@restoreskills.com