SENIOR ML DATA SCIENTIST

Come transform healthcare with us!

Carenostics is a healthcare AI startup dedicated to addressing the underdiagnosis, undertreatment, and health inequities of chronic disease through AI and ML on patient electronic health record (EHR) data. To date, Carenostics has:

- Deployed our first ML product for the early detection of chronic kidney disease (CKD) at Hackensack Meridian Health (HMH), serving 6 Million patients.
- Received funding from the NSF, Bayer Pharmaceuticals, and the VA.
- Gained access to run AI/ML over 15M longitudinal patient EHRs from leading health systems and claims for 50M patients from leading payors.

Our CEO and world-class team have taken 20+ healthcare AI solutions to market, generating $5B in revenue and impacting the lives of millions of patients worldwide.

Role overview:
Carenostics is seeking an experienced (5-12 years) data scientist with a passion for transforming healthcare to join our team (currently 10+ employees) as Senior ML Data Scientist. Responsibilities include:

- Learning and deploying ML models to predict undiagnosed CKD and recommend therapy from EHR data
- Driving the end-to-end ML engineering work for the CKD AI project, including, database and data quality management, feature extraction, data ingestion, data pipeline; CI/CD, MLOps, incorporating novel data sources (claims, SDoH), ML experimentation and deployment
- Working with clinicians to integrate ML-based clinical decision support models directly into clinician workflow. Generating human-understandable explanations of disease predictions and guideline-based therapy to help clinicians identify high-risk chronic disease patients
- Working closely with leaders in bias-adjusted AI to learn equitable ML models that address the huge health disparities in CKD
- Assessing and adopting new technologies / services and rapid prototyping of solutions
- Providing technical leadership, guidance, and mentoring to junior data scientists

Candidate qualifications:
- 5+ years of experience building end-to-end data science workflows: from data engineering / building scalable data pipelines, to analysis/modeling, to ML deployment
- 5+ years of developing data intensive software using Python in a production setting (ideally including building and deploying production ML systems with Agile methodology)
- Expertise with standard machine learning packages (SciKitLearn, PyTorch, TensorFlow)

- Strong foundation in technical and programming skills (esp. Python and Java)
- Experience working on real-world problems and passion for having social impact

Additional desirable qualifications include:

- 5-12 years of work experience with SQL, data warehouses, relational DBs (ideally including PostgreSQL), developing large scale data & analytics solutions
- Experience with managing & developing on cloud platforms (AWS, Azure, GCP)
- Experience working with data engineering, ML, and software development teams
- Experience with healthcare data (e.g., EHR, claims, HL7, FHIR)

Benefits of this role:

- Competitive salary, benefits and options at startup poised for hyper-growth
- Key player in mission-driven company tackling one of society's greatest challenges
- Access to rich healthcare data from leading institutions (e.g., VA, HMH, payers) for deploying models with immediate real-world impact on tens of millions of patients
- Direct mentorship from proven leaders in healthcare, machine learning, and software engineering (from institutions including CMU, MIT, HMH, VA, Cerner, and Siemens)
- Opportunities to publish cutting-edge research on novel applications of AI to healthcare in leading journals and conferences (recent paper accepted to NeurIPS this year)
- No relocation required

As an early hire, you will have opportunities for rapid upward mobility: if desired, you can transition to a Director role and be empowered to scale the data science and software development teams. Additional opportunities include working directly with clinicians on the interface / workflow and engaging with the startup team on conversations beyond data science (e.g., commercialization, growth strategy, leading new client deployments).

Learn more about us, our partnerships, and journey this past year at: www.carenostics.com

If you want to be part of our mission to transform healthcare into a data-driven paradigm where decisions to improve lives are driven by insights learned from millions of EHRs and claims, **please reach out to *careers@carenostics.com* with your resume.**