

## **Statement of Interest: EHR-Driven Predictive Modeling for Patient Health Insights**

I am writing to express my interest in joining your research team as a Research Assistant for the project on *EHR-Driven Predictive Modeling for Patient Health Insights*. My academic background, technical expertise, and research experience align closely with the objectives of your work, and I am enthusiastic about contributing to innovative solutions that enhance patient health outcomes.

I am pursuing a Master of Science in Cybersecurity, with a solid foundation in technology and analysis from my Bachelor of Information Technology from Kenyatta University. Currently, my coursework in Knowledge Discovery and Data Mining is deepening my understanding of data-driven algorithms and predictive models. Exploring methods such as decision trees, clustering, and neural networks has sparked my enthusiasm for real-world applications, particularly in healthcare analytics. I am excited about applying these techniques to positively contribute to your project.

During my career as a bilingual research and data analyst, I gained extensive experience in managing and analyzing large datasets using tools such as Python, R, and SQL. My work involved data cleaning, preprocessing, and statistical modeling, skills that are critical for working with Electronic Health Records (EHR) and building predictive models.

In my role at ACEPIS, I conducted multilingual research and presented findings to interdisciplinary teams, adapting complex data insights for diverse audiences. This experience sharpened my ability to identify meaningful patterns in data and translate them into actionable insights. Additionally, my role required meticulous attention to detail and collaboration across domains, both of which are essential for managing sensitive healthcare data and delivering high-quality research outputs.

I am particularly drawn to your project's focus on leveraging EHRs to drive predictive modeling. I am eager to apply my expertise in data analysis and statistical modeling to uncover trends in patient health data and contribute to developing predictive systems that can proactively address healthcare challenges. My multilingual communication skills, supported by DALF C1 certification in French, further equip me to collaborate effectively in diverse research environments and disseminate findings to broader audiences.

Your project's focus on leveraging EHR for predictive modeling aligns with my goal to harness data analysis for impactful solutions. I am confident that my technical expertise, analytical mindset, and collaborative experience will allow me to contribute meaningfully to your research endeavors.

I am confident that my academic training, professional experience, and commitment to impactful research make me a strong candidate for this role. I would be honored to contribute to your team's efforts and grow as a researcher under your mentorship.

Thank you for considering my application.