intel

99.7% sensitivity

for diabetic retinopathy detection.[1]

98.5% accuracy

for diabetic retinopathy detection.[2]

"Technology and AI are democratizing healthcare access, especially in screening for ailments. Our team at Sankara Eye Foundation has focused on our vision to eliminate needless blindness from India."

Dr. Kaushik Murali, President, Medical Administration, Quality & Education, Sankara Eye Foundation India

Harnessing AI to Transform Diabetic Retinopathy Diagnosis and Treatment

Sankara Eye Foundation India, is a pan India, nonprofit organization with the mission to eliminate preventable and curable blindness through a service-oriented team. One of the major reasons for avoidable blindness in adults in India is diabetic retinopathy (DR). To address this challenge, Sankara Eye Foundation collaborated with Leben Care to implement a cloud-based AI solution based on the Intel® Xeon® Scalable processor platform. By combining the power of the Intel Xeon Scalable platform, Intel® Deep Learning Boost and Intel® Advanced Vector Extensions 512 with Amazon EC2 C5 instances, Leben Care was able to deploy its intelligent solution - Netra.AI, a comprehensive retina risk assessment software-as-a-service platform available on cloud.

Products and Solutions
2nd Gen Intel® Xeon® Scalable processors
Intel® Deep Learning Boost
Intel® Advanced Vector Extensions 512

Industry
Nonprofit Organization Management

Organization Size
2–10

Country
India

Partners
AWS
Leben Care

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1, 2 For more complete information about performance and benchmark results, visit https://www.intel.com/content/www/us/en/customer-spotlight/stories/sankara-eye-foundation-customer-story.html