

**RADIX
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5/2/25

To Whom It May Concern,

I am pleased to write this letter in support of Anushka Manoj, whose pioneering work in developing RetinoScan has the potential to greatly enhance Diabetic Retinopathy (DR) screening. As an experienced ophthalmologist, I have reviewed her prototype and can attest to its promise in improving patient care.

Diabetic Retinopathy is a major cause of preventable blindness, and early detection is crucial. However, many patients lack access to timely screening, particularly in underserved regions. Anushka's device offers an accessible and cost-effective solution, utilizing deep learning algorithms to accurately assess DR severity. With a Convolutional Neural Network trained on 3,700 annotated retinal images, this device provides precise diagnostic support to healthcare professionals. Its portability, enabled by a Raspberry Pi, Pi Camera, and NeoPixel ring, makes it especially suitable for use in remote or resource-constrained environments.

The device features a user-friendly Gradio interface, ensuring that healthcare providers with varying levels of technical expertise can operate it efficiently, thereby improving clinical outcomes. Her work represents a significant step forward in AI-driven diagnostics and telemedicine, bridging the gap between technology and equitable healthcare solutions.

As a specialist in the field, I recognize the profound impact this innovation could have in reducing vision impairment worldwide. Anushka's dedication, ingenuity, and commitment to meaningful healthcare advancements make her a standout contributor to translational medical science.

I highly recommend Anushka for any opportunity that allows her to further her contributions to medical technology and innovation.

Sincerely,

Dr. Nidhi Gupta

Dr. Nidhi Gupta
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Facilities Available

- Multispeciality Hospital - 24 Hours Emergency - X-Ray/ ECG/ Ultrasound/ CT Scan - Dental- Fully Equipped Operation Theatre
- Fully Functional Lab - 24/7 Casualty/ ICU-Nursery 24/7 Pharmacy - Labour Room - All Speciality OPD - Laproscopic Surgery -
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