CLOUDPHYSICIAN

Cloudphysician aspires to be the global virtual hospital. We are reimagining the delivery of critical care through patient-centric solutions. We use our advanced technology, designed and developed in-house, to increase access to care, all across the globe. Cloudphysician has been radically transforming delivery of critical care by impacting thousands of patients across India and enabling them to receive high quality care irrespective of their location and is moving towards mainstreaming this model globally.

Our Care Center, based in Bangalore, is staffed 24/7 by a highly qualified and trained critical care team that includes super-specialist doctors, nurses, dieticians, and pharmacologists. The clinical team uses our proprietary platform, RADAR, to connect to hospital ICUs to oversee and manage the care of critically ill patients across multiple regions. RADAR, built by our team of technology experts, incorporates automation, computer vision, real-time video, and data analytics to help expert care providers connect to and provide care to patients.

We have cared for nearly 120,000+ intensive care patients across 23 states in India and saved numerous lives.

JOB DESCRIPTION

You will leverage your strong analytical abilities to tackle significant challenges within the healthcare domain, implementing impactful computer vision and machine learning solutions. This will involve close collaboration with cross-functional teams spanning operations, product, and medical experts, within a supportive environment that values your insights, encourages you to embrace new challenges, fosters continuous learning, and celebrates innovation.

- Design, develop, and implement computer vision models and machine learning algorithms for tasks such as image analysis, object detection, segmentation, and classification on real-time healthcare datasets to address general and specific needs.
- Mine, analyze, and preprocess large image and video datasets from company databases to drive optimization and extract valuable insights for computer vision applications.
- Develop interactive data visualizations and dashboards to provide real-time monitoring of key performance indicators for computer vision models and related processes.
- Rigorous tracking and enhancement of computer vision model performance through the definition of appropriate evaluation metrics, A/B testing methodologies, and thorough error analysis.
- Apply a strong understanding of computer vision techniques, including proficiency in object detection (e.g., YOLO), image segmentation (e.g., SAM), and advanced feature extraction methods.

- Stay abreast of the latest computer vision and machine learning research advancements, emerging frameworks (e.g., PyTorch), and relevant tools and libraries.

PREFERRED QUALIFICATIONS

- Bachelor's or Master's degree in Computer Science, Electrical Engineering, or a closely related field, with a strong emphasis or specialization in computer vision, machine learning, or artificial intelligence.
- **Experience:** 2-4 years of hands-on experience in developing and implementing computer vision and/or machine learning solutions.
- Demonstrated proficiency in Python and experience with deep learning frameworks relevant to computer vision, such as PyTorch and/or TensorFlow. Strong familiarity with OpenCV and other image processing libraries.
- Proven experience working with large-scale image and/or video datasets, including expertise in applying various image preprocessing and data augmentation techniques to enhance model training and performance.
- Solid understanding of fundamental and classical computer vision techniques (e.g., feature detection, image filtering, geometric transformations) and their application in conjunction with modern deep learning approaches.

Pluses:

- Familiarity with containerization technologies such as Docker and version control systems like Git.
- Exposure to JavaScript for potential integration with web-based applications or visualization tools.

How to apply

If you are interested. Please send your resume to careers@cloudphysician.net along with two references