Training Notification Form, IIT Delhi

Company Overview

Name:	Skylark Labs India Pvt. Ltd.
Website:	https://skylarklabs.ai
Company Type:	Information Technology

Description: Skylark Labs develops Dual-Use Self-Learning AI products that provides analytics to strengthen National Security and support commercial applications.

SkyLark Labs was founded by Ex-Stanford, Ex-Cambridge founders and is backed by leading Venture Capital Funds. Skylark has over 50 full-time and part-time employees located in our three locations: Data Acquisition Lab in Amritsar, Data Modelling Lab in Warangal, India, and Production Lab based in Palo Alto, California, USA.

SkyLark has clients and partnerships in 6 counties. Our research on 'Disguised Face Recognition' and 'Violent Activity Detection from Drones' gained international attention and was covered by several media houses including the BBC World News, London, NBC, USA, ABC Radio, Australia, Telegraph, UK, Discovery Channel, Canada, New Scientist, The cover of the Economist, Vice, Inc., etc.

Project Details

Designation:	MLE and SDE
Type:	Information Technology
Location:	Pune

Project Details:

Job Title: Computer Vision Engineer (Video Analytics Solutions)

We are seeking a highly skilled and motivated Computer Vision Engineer to join our team in developing cutting-edge video analytics solutions. In this role, you will have the exciting opportunity to work closely with our research team to implement state-of-the-art AI research ideas and contribute to the advancement of interpretable and efficient AI technologies for security and surveillance.

Responsibilities:
Implement state-of-the-art AI research ideas, including Few-Shot Learning, Contrastive Learning, 3D CNNs, Generative AI, AI Interpretability and Self Supervised Learning.
Develop custom architectures for efficient deployment of computer vision models.
Perform comprehensive analysis to understand the reasoning behind model predictions.
Write well-structured and thoroughly documented code, adhering to best engineering practices and incorporating proper unit testing.
Continuously improve and optimize existing computer vision models and algorithms to enhance performance and accuracy.

Stay up-to-date with the latest advancements in computer vision and AI research and actively contribute to the organization's knowledge base.

Collaborate with cross-functional teams to define requirements, validate solutions, and integrate computer vision algorithms into production systems.

Qualifications:

Strong ability to ideate, communicate, and implement innovative ideas effectively.

Proficiency in implementing deep learning models using PyTorch and TensorFlow.

Passion for applying best engineering practices in AI development.

Self-directed and capable of working independently.

Bonus: Prior experience in projects related to similar AI research domains especially in .

Bonus: In-depth familiarity with PyTorch and TensorFlow frameworks.

Bonus: Experience in deploying AI solutions over edge devices.

Bonus: Experience with tools such as ONNXRuntime, TensorRT, NVIDIA Triton Inference Server, NVIDIA Data Loading Library (DALI).

If you are a proactive and enthusiastic individual with a strong foundation in computer vision and deep learning, and you are eager to contribute to the advancement of video analytics solutions, we encourage you to apply. Join our team and be a part of our mission to develop state-of-the-art AI technologies for security and surveillance applications.

Job Title: Software Development Engineer - Level 1 (SDE-1)

We are seeking a talented and motivated Software Development Engineer (SDE) to join our growing team. As an SDE-1, you will be responsible for developing and maintaining web applications using Django and Flask frameworks with PostgreSQL and MySQL databases.

Responsibilities:

Design and develop scalable and maintainable web applications using Django and Flask frameworks.

Develop and maintain database schemas and queries using PostgreSQL and MySQL databases.

Write and maintain unit tests and integration tests for the developed code.

Develop and maintain CI/CD pipelines for continuous delivery of the application.

Work collaboratively with cross-functional teams including Product Managers, Designers, and other Engineers to deliver high-quality software solutions.

Qualifications:

Bachelor's or Master's degree in Computer Science, Software Engineering or related field.

Strong programming skills in Python.

Strong knowledge of web application development using Django and Flask frameworks.

knowledge of database design and development using PostgreSQL and MySQL databases.

Strong problem-solving skills and ability to work in a fast-paced, dynamic environment.

Excellent communication skills and ability to work collaboratively with cross-functional teams.

Good To Have:

Experience with containerization using Docker.

Experience with front-end development using HTML, CSS, and JavaScript.

Experience with cloud technologies such as AWS, Azure, or Google Cloud.

Experience with agile development methodologies such as Scrum or Kanban.

Stipend Details

Stipend:	100,000 INR Per Month
Accommodation:	No
Travel Expenses:	No

Selection Process

Resume Shortlist:	No
Written Test:	Yes
Online Test:	No
Group Discussion:	Yes
Personal Interview:	Yes
No. of Offers:	10

Eligibility

Diversity Recruiting:	No
Eligible Years:	Graduating in 2025 (Pre-Final Year Students) - B.Tech / Dual / Master's , Graduating in 2026 (Third Year Students) - Dual Degree
Eligible Departments:	B.Tech in Biochemical Engineering & Biotechnology, B.Tech in Chemical Engineering, B.Tech in Civil Engineering, B.Tech in Computer Science & Engineering, B.Tech in Electrical Engineering, B.Tech in Electrical Engineering (Power and Automation), B.Tech in Energy Engineering, B.Tech in Engineering Physics, B.Tech in Engineering and Computational Mechanics, B.Tech in Materials Engineering, B.Tech in Mathematics & Computing, B.Tech in Mechanical Engineering, B.Tech in Production & Industrial Engineering, B.Tech in Textile Engineering, B.Tech and M.Tech in Chemical Engineering, B.Tech and M.Tech in Computer Science & Engineering, B.Tech and M.Tech in Mathematics & Computing, M.Sc in Chemistry, M.Sc in Cognitive Science, M.Sc in Economics, M.Sc in Mathematics, M.Sc in Physics, Master of Design in Industrial Design, Masters in Public Policy