Rupak **Lazarus**

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Objective and Research Statement

To be part of a progressive organization that gives scope to enhance my knowledge, skills and to reach the pinnacle in computer vision and deep learning field with sheer determination, dedication and hard work. My research lies at the intersection of computer vision, natural language processing and knowledge representation. My current research focus is on developing methods to understand chart images in academic documents.

Education

International Institute of Information Technology Hyderabad
MS in Computer Science and Engineering by Research

Hyderabad, India
Aug 2020 - Aug 2022 (Expected)

- CGPA: 8.0/10.0
- Courses: Computer Vision, Statistical Methods in AI, Mobile Robotics, Optimization Methods.

Kadi Sarva Vishwavidyalaya
Bachelor of Engineering in Computer Engineering

Gandhinagar, India
July 2013 - July 2017

- CGPA: 8.23/10.0
- Courses: Design and Analysis of Algorithms, Artificial Intelligence, Discrete mathematics.

Holy Cross School
ALL INDIA SENIOR SECONDARY CERTIFICATE EXAMINATION

Tadong, India
May 2013

- Percentage: 89.8%

Experience

AIMonk Labs Private Limited
Senior Machine Learning Engineer

Machine Learning Engineer

Bengaluru, India
May 2019 - Aug 2020

July 2017 - May 2019

- Developed object detection training pipeline for **Video Analytics System** for different use cases like weapon detection, bike rider helmet detection, accident detection.
- Training neural networks for different tasks like font discrimination, face detection and recognition, text detection and recognition, image classification, etc.
- Writing training and inference code of research papers like **Multi-task Cascaded Convolutional Networks** and replicating the results.
- Creating synthetic datasets using OpenCV and deep learning models for pre-training neural networks.
- Writing API's and designing distributed architecture for scalable deployment of deep learning models to accept inference request of images and videos in real time.

Skills

Programming Languages	C++, Python, HTML, Javascript
Operating Systems	Linux, Windows, Mac OS
Deep Learning Frameworks	PyTorch, TensorFlow, Keras
Tools and Libraries	Git, Docker, OpenCV, Numpy, Flask, LaTeX

Achievements

2018	**2nd place**, Deep Learning 3 Challenge on HackerEarth	*Bengaluru, India*
2017	**51st rank (top 9%)**, Cdiscount's Image classification Challenge on Kaggle	*Bengaluru, India*
2018	**4th place**, Rakuten Deep Learning Challenge	*Bengaluru, India*