

SHIVARAJ KARKI

Deep Learning Engineer

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🌐 <https://www.linkedin.com/in/shivaraj-karki/>

📍 Bangalore



EXPERIENCE

Software (Deep Learning) Engineer

EmageSoft

📅 07/2019 - Ongoing 📍 Bangalore, India

Emagevisionpl.com

Leading team of two in end to end deep learning project.

- Customized input pipeline for Deep learning models, Data preprocessing.
- Setting up GPU server.
- Implementing SoA CNN algorithms, Object Detection and Image Classification - Training, prediction.
- Analyzing and visualizing activation maps of different models and finalizing a model with better performance.
- Hyperparameter tuning, Customized Loss Function, Ensemble Model.
- Data parallelism and Distributed training.
- Prototyping prediction pipeline by integrating both classification and detection model.
- NLP Sentiment analysis, Speech to Text conversion

Assistant Professor

PESIT

📅 07/2014 - 01/2019 📍 Bangalore, India

Technical Teaching

- Machine Learning, ANN, Linear Algebra, Probability and Random Process, Real Analysis
- Convex Optimization, Python Programming.
- Networking lab-NS2 simulator, Microprocessor
- Network Security, Signal processing labs in python

Internee

Honeywell

📅 09/2012 - 05/2013 📍 Bangalore, India

- Wireless sniffing module using Wireshark tool

TECH STACK

Python

Tensorflow

Keras

OpenCV

Object Detection

Deep Learning AI

LSTM GRU NLP

Matplotlib numpy pandas

EDA

PIL

ACHIEVEMENTS



Technical paper:

Quality of Service for Differentiated Traffic using Multipath in Wireless Sensor Networks International Journal of Inventive Engineering and Sciences (IJIES) ISSN: 2319-9598, Volume-3 Issue-1, December 2014



Organising International Conference

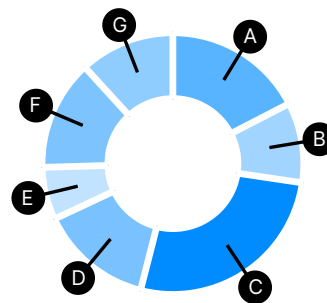
Exemplary Volunteer in 6th International Conference on Information Processing August 2012, in compiling and editing technical papers for Springer publication.



University Topper

Topper in M.E, UVCE

MY TIME



- A Team Discussion
- B Technical paper, Articles
- C Data Analysis and Coding
- D Reports and Analysis
- E Blogging and github
- F Family
- G Meditation, SKY, Yoga

EDUCATION

M.E

UVCE Bangalore India

06/2013

%
83.7 / 100

B.E

Dr AIT Bangalore India

06/2010

%
75 / 100

FIND ME ONLINE

Github

<https://github.com/shivarajkarki>

Medium Blog

<https://shivaraj-karki.medium.com/>

PASSIONS



AI, Blogging, Art of Living Social Service Projects, Yoga.

CERTIFICATION

Custom Models, Layers and Loss Functions with Tensorflow

- DeepLearnig.AI

Custom and Distributed Training with Tensorflow

- DeepLearnig.AI