Pranav Raikote

Data Scientist

Experienced professional with a strong background in Computer science and Deep learning. Skilled in designing and implementing complex neural network architectures, as well as training and deploying models in a variety of environments. Excellent track record of delivering successful projects in the fields of Computer Vision, NLP and Time-Series. Seeking a challenging role where I can leverage my skills and experience to drive innovation and solve real-world problems.

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📍 Bengaluru

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📱 91-9448210677

in linkedin.com/in/pranavraikote

medium.com/@pranavraikote

SKILLS

Deep Learning Python MLOps Cloud Computing System Design

WORK EXPERIENCE

Data Scientist
Plexflo

02/2022 - Present   *Bengaluru*

Plexflo helps companies save time in organizing energy data analytics workflows, so that they can focus on building an efficient clean energy future.

Achievements/Tasks

- Designed and developed an AI algorithm for identification of charging signatures of Electric vehicles from Smart Home meter data
- Development and maintenance of Plexflo's Open Source python library
- Responsible for optimising the operations involving ML systems

Contact : Sayonsom Chanda - 7207052125

R&D Engineer (AI)
Applied Singularity

10/2020 - 01/2022   *Bengaluru*

Applied Singularity is a hub for Deep Tech Professionals where they can build expertise and find their ideal career opportunities.

Achievements/Tasks

- Responsible for driving all AI activities with focus on improvised content management and delivery
- Implemented an AI processing pipeline for content delivery that improved throughput by 2.5x and reduced human labour by more than 50%
- Designed a Recommender System for delivering personalised content with multiple contextual information nodes
- Started active blogging and created Tutorials for Getting started in NLP and Object Detection domains

Contact : Nihal Kashinath - 9663374431

EDUCATION

Computer Science & Engineering
BMS Institute of Technology & Management

08/2016 - 09/2020   *Bengaluru*

Project

- Early diagnosis of Pulmonary Diseases from Chest X-Rays using Computer Vision methodologies

PERSONAL PROJECTS

Diagnosis of COVID-19 & Pneumonia from Chest X-Rays (10/2020 - 04/2020)
- Extensive research on image processing, model building and hyper parameter optimisation techniques
- The best model matched the performance levels of other state-of-the-art models

Image Caption Generator for soft labelling image data (03/2020 - 03/2020)
- Designed an LSTM model for generating multiple word captions given an input image
- Can be used as a first stage automated image dataset labeller

TECHNICAL INTERESTS

Blogging
Deconstructing research papers and creating easy-to-consume content

Research Papers
Implementation & benchmarking of Deep Learning models from popular Computer Vision & Deep Learning research papers

Open Source Community
Open sourced various ML & DL algorithms along with various projects and code tutorials on GitHub

PUBLICATIONS

Article
Sentiment Analysis of Kannada Political Tweets using Support Vector Machines
Author(s)
Shankar R, Suma Swamy, Pranav Raikote
08/11/2021
The Design Engineering, 647-656, Vol 2021, Issue 8

In this article, the texts of Kannada Tweets collected from various political parties and politicians are analysed to classify the tweets as positive or negative or neutral interpretations using ML algorithms.

VOLUNTEER EXPERIENCE

Chairperson
IEEE Student Branch, BMSIT&M

09/2019 - 08/2020
Tasks/Achievements
- Shaped up the student body with the right structure and best practices
- Took up managerial and technical roles in Sectional and Region level committees

Chairperson
IEEE Computer Society Chapter, BMSIT&M

02/2019 - 08/2019
Tasks/Achievements
- Conducted various technical events that focus on core computing and important soft skills
- Part of Executive Committee for IEEE BMSIT&M that jointly won "Most Promising Student Branch" in IEEE Bangalore Section

ACHIEVEMENTS

2nd Place for Innovative Project Idea Presentation
UAV Based Leaf Disease Detection for Precision Agriculture

INTERESTS

Painting   Wildlife Photography