Optimizer

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Vishwanath K R

Junior AI developer

Hi, I'm Vishwanath, an AI enthusiest and developer who loves building AI solutions for modern problems in the world. I recently developed an application which uses deep learning (dl) to predict human illness using encountered symmptoms. Also I work on classified medical data to develop DL models and bedside application to monitor infant's sleep/wake states in NICU. I'd love to combine my passion of learning and innovaation to build more real time problem solving applications.

vishwanathmasti007@gmail.com

9686196141

Mysore, India

**EDUCATION**

**Bachelor of Engineering**

Vidyavardhaka College of Engineering

*01/2020 - Present*

,

*8.17*

*Artificial Intelligence & Machine Learning*

B.E

**AI programming with python Nanodegree**

Udacity

*06/2022 - 10/2022*

,

**PERSONAL PROJECTS**

ML model to predict human illness

 (04/2022 - 05/2022)

With an accuracy of 100% based off the open source data. The model was able to predict 40 types of dieseases with 132 set types of symptoms and 120 sample symptoms for each diesease.

dataset size is 4800.

Use a Pre-trained Image Classifier to Identify Dog Breeds

 (05/2022 - 06/2022)

Using a CNN that has learnt features from a dataset of 1.2 million images called ImageNet.

This project is tested for three different architectures ( **AlexNet** , **VGG** , and **ResNet** ) and determine which is best for your application.

VGG takes the win at an accuracy of breed predicition at 93.33%.

Prediction of Greyscale handwritten digits

 (06/2022 - 07/2022)

MNIST dataset which consists of greyscale handwritten digits.

Implemented using Pytorch.

Model capable of recognising digits with above 95% accuracy based off the dataset.

This project mainly showcased how to minimise losses with respect to network parameters.

Classifying Fashion-MNIST

 (06/2022 - 07/2022)

Used Fashion-MNIST dataset of 28x28 greyscale images of clothes.

Used PyTorch for development.

Achived better than 97% accuracy.

Created Own Image Classifier

 (08/2022 - 10/2022)

Used a dataset comprising of 103 categories.

Model is developed using Pytorch.

Achieved an accuracy of 90.99% over evaluation of data and 85% for test images.

**SKILLS**

Proficient in Python programming

Intermediate level proficiency in C programming

Intermediate level proficiency in Java

Image processing

Deep learning

Data Science

Medical data collection

Pytorch

Numpy & Pandas

**ACHIEVEMENTS**

Volunteered for organising Coding competition under VVCE CIS Student Chapter.

 (03/2022 - 03/2022)

*Coding competiton.*

**ORGANIZATIONS**

MS Ramiah Institute of Technology

 (09/2022 - 10/2022)

*Intern*

IEEE

 (06/2021 - Present)

*Student Chapter Chair*

**CERTIFICATES**

Project Showcase Competition top 5 best project

 (04/2022 - 06/2022)

*Mindtree & MSRIT*

Virtual labs on AI and ML Concepts

 (04/2022 - 04/2022)

*Mindtree & MSRIT*

Vocational Programme on Practical Aspects of Computational Intelligence

 (04/2022 - 05/2022)

*Mindtree & MSRIT*

Virtual Labs on Pyhton Essentials for Data Science

 (04/2022 - 04/2022)

*Mindtree & MSRIT*

*Page 1 of 2*

**WORK EXPERIENCE**

**Intern**

RIT campus

*09/2022 - 10/2020*

,

*Banglore, India*

*Departmment of Medical science and electronics collaboration with MS Ramiah memorial hospital.*

*Medical data science*

data collection from NICU

Processing the collected data

Developing & implementing AI models

*Head*

*:*

*Dr. Sriraam*

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*sriraam@msrit.edu*

**Student Chapter Chair**

Vidyavardhaka College of Engineering

*06/2021 - Present*

,

*Mysuru, India*

*Management*

Event organisation

Sourcing resource person

Contribution in Department enhancement

*Head*

*:*

*Vinutha D C*

*-*

*vinuthadc@vvce.ac.in*

**CERTIFICATES**

How Can We Trust AI in Cybersecurity (webinar)

 (05/2022 - 05/2022)

*IEEE*

Frontiers in Computing Workshop

 (05/2022 - 06/2022)

*Conducted by NITK*

**LANGUAGES**

English

*Full Professional Proficiency*

Hindi

*Full Professional Proficiency*

Kannada

*Native or Bilingual Proficiency*

**INTERESTS**

Deep learning

Image recognition

Data Analytics

AI in Heathcare

AI in Cybersecurity

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