

Rigved Shirvalkar

B.Tech Undergrad

Deep Learning and Computer vision enthusiast with ability to work hard and remain focused in work. Love to try new things along with innovating and implementing new ideas.



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github.com/rigvedrs

SKILLS

Machine Learning

Deep Learning

Web Development

Python

Pytorch

Pandas

Numpy

Jupyter

ReactJS

Django

LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

Marathi

Full Professional Proficiency

INTERESTS

Deep Learning

Football

Dance

Reading

EDUCATION

Bachelors of Technology in Electronics & Computer Engineering

Amrita School of Engineering

07/2020 - 05/2024

PERSONAL PROJECTS

Pneumonia Detection from X Ray images [↗](#)

- **Detection of pneumonia** from X Ray images using Pytorch
- Architectures used are **ResNet9**, **ResNet18** and other custom **CNN models**
- Hyperparameters were selected using **optuna** and evaluated using **K fold cross-validation** for the final ResNet model.
- Implemented **ensembling** by training 5 models with different folds of training data and using their average output as the final prediction

ToDo-App [↗](#)

- Simple ToDo **Web App** that runs on the **Django** for backend and **Reactjs** in the frontend
- Added extra **CSS features** and templates
- **Automatically adjusting** task box

ORGANIZATIONS

amFOSS (12/2020 - 05/2021) [↗](#)

Team Member

Traboda

Web Developer

AI@Amrita (05/2022 - Present)

Team Member

CERTIFICATES

Neural Networks and Deep Learning

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

Internship program in Machine Learning

At FoxTradingSolutions

ACHIEVEMENTS

IMO Gold medal

Class topper in 10th

NSO Gold medal

Class topper in 10th

NCO Gold and Silver medal

Class topper in 10th and silver in 9th