**Adarsh Singh Dikhit**

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# **Summary:**

Data Scientist with 1.7 years of experience on Python, Machine Learning, Deep Learning, NLP, MLOPs, WebRTC, TensorFlow, Flask REST API, Django, AWS, Docker, MySQL. Proven team player focused on achieving project objectives with speed and accuracy and working effectively in dynamic environments.

**Organizational Experience:**

* **Associate Data Scientist** in Examroom.ai India Pvt. Ltd, Bangalore from April 21 till now.
* Intern (AI/ML) in TCS from Jun 2020 –Aug 2020

**Research Paper Publication:**

**“Handwritten Text Recognition using Deep Learning (CNN & RNN)”** in a reputed **IARJSET (Journal International Advanced Research Journal in Science, Engineering and Technology)** accepted June 2021. [**https://urlshort.in/qGiIl**](https://urlshort.in/qGiIl)

**“Deep Learning for Handwritten Text Recognition (Conv Net & RNN)”** in a reputed Journal **Turkish Online Journal of Qualitative Inquiry** accepted **Aug 2021.** [**https://urlshort.in/aYSdb**](https://urlshort.in/aYSdb)

**Key Skills:**

* Python, Machine Learning, Deep Learning, Computer Vision, NLP, Flask, Django.
* Worked on AWS Web services: AWS S3, AWS ECR, AWS EC2, AWS code build, AWS Deploy, Lambda, SQS, SNS, Kinesis, Cognito, Dynamo DB.
* Worked on Docker, Terraform, Cloud Formation,
* Data Structure, Algorithm, Tableau & SQL.

# **Education:**

* **Bachelor of Technology (Computer Engineering), Batch Sept. 2021**

Bharati Vidyapeeth University College of Engineering, Pune

* **Class 12th (M.P Board), March 2017**

Anupama Higher Secondary School, Satna M.P

# **Organizational Projects:**

1. **Verification and Validation of Test Taker Identify during online Examination using Optical Character Recognition**

* Keywords: Computer Vision, Optical Character Recognition, Tesseract, Levenshtein Distance
* This project is mainly used for manual Proctoring to Automatic Proctoring using AI.

1. **Title: Object Detection: Enhancement in object detection from existing models for the remote proctoring**

* Keywords: YOLO- V5, Pytorch, GRU, LSTM, Recall precision.
* Fine-tuned the model for customize classes
* Convert Pytorch Model to JSON Model
* Deploy on the client side using React JS.

1. **Title: Speaker Verification using CNN and RNN**

* Keywords: Dynamic Time wrapping, Support Vector Machine, Liveness Detection
* Model is trained on Resnet and GRU
* Model is deploying through docker.

1. **Question Similarity for Question Bank**

* Keywords: word Embedding, K-Means, KNN.
* Feature extraction from text.
* Clustering the Questions.
* Using KNN identifying the nearest 5 question.
* Deployed using Flask, EC2 machine.

1. **Next Word Prediction**

* Keyword: LSTM and Dense Layer
* Model is trained on Pytorch framework.
* Model is deployed through the Django framework.

# **Certifications**

* IBM Data Science Professional Certificate
* Python for Everybody Specialization (University of Michigan)
* Machine Learning with Python (IBM)
* Deep Learning Fundamentals (cognitiveclass.ai)

Signature

(Adarsh Singh Dikhit)