HIMANSHU ISHWAR WAGH

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EXPERIENCE

- **Fyle Technologies-Software Engineering Intern** *Oct 2021-Apr 2022*

  - Worked on a data-extraction service through which data from digital and paper receipts was extracted using **ML/AI**, and **Python**.
  - Implemented **OCR and computer vision** techniques for data extraction from receipts.
  - Created an extractor service with integration of **AWS Textract**. Proposed an updated smart layer of code using NLP to improve extraction accuracy, boosting overall accuracy from **50% to 75%**.

TECHNICAL SKILLS

- **Operating Systems:** Windows, Mac, Linux
- **Data Science:-**
  - **Statistics:** Probability, Data Visualization and Analysis, ML Statistics
  - **Deep Learning:** Machine Learning Algorithms and Neural Networks (ANNs, CNNs) TensorFlow, Scikit-learn
  - **Natural Language Processing:** RNNs, Linguistic Modeling, NLTK, Spacy, Transformers
  - **Computer Vision**
- **Programming Languages:** Python, HTML, Flask
- **Platforms:** AWS Textract, Github, Docker
- **Database:** MySQL

PROJECTS

- **MNIST Digit Recognizer: Recognize Handwritten Digits** *Feb 2021*
  - Project Goal: To correctly identify digits from a dataset of tens of thousands of handwritten images.
  - Have prepared unbalanced data and upsample data using SMOTE.
  - Trained on CNN models including data augmentation techniques. After experimenting on many model architectures achieved a score of **0.9925** in kaggle competition with an overall rank of 71.

- **Machine Learning Projects:** *Jan 2021*
  Projects on *Classification & Regression* with more than *80%* accuracy and R2 for each project, respectively.
  - Used different techniques for Exploratory Data Analysis (EDA), Feature Engineering, and Feature Selection.
  - Improving scores by *hyperparameter tuning* using cross validation.

EDUCATION

PES's Modern College of Engineering, *BE-Mechanical Engineering* – 7.31 CGPA	*2017-2021*
Deogiri Junior College, HSC (12th) - 65.5	*2015-2017*
PSBA English School, SSC(10th)- 91.2	*2015*

LANGUAGES

- English, Hindi, and Marathi.

COURSES

- Deep Learning: Neural Networks-Udemy *Feb 2021*
- Computer Vision Theory & Projects-Udemy *Mar 2021*
- Complete Machine learning and Data Science-Udemy *Dec 2020*