HARSHVARDHAN **JADHAV**

Machine Learning Engineer

CONTACT

Mumbai | 9665666291
harshvardhanb.jadhav@gmail.com

EDUCATION

Vidyavardhini's Vartak College
BSc in Information Technology, CGPA: 7.35
Vasai (W) | 04/2022

S.S.N.E.S
HSC, Percentage: 63.84%
Mangaon, Raigad | 02/2018

S.S.N.E.S
SSC, Percentage: 84.80%
Indapur, Raigad | 03/2016

SKILLS AND TECHNOLOGIES

- **Data Analysis and Manipulation:** Python, Pandas, NumPy, SQL.
- **Data Visualization:** Matplotlib, seaborn, Plotly.
- **Machine Learning:** Scikit-learn, Regression, Classification, Clustering, Bagging and Boosting, Ensemble methods.
- **Deep Learning:** TensorFlow with Keras, fastai, PyTorch.

CERTIFICATIONS

- IBM Data Science Professional Certificate
  Coursera | 04/2022 - 07/2023
- Data Science Master Program
  Simplilearn | 04/2022 - 11/2022
- Deep Learning Specialization (Pursuing by Coursera)
- IBM AI Engineering Professional Certificate (Pursuing by Coursera)

SOCIAL

- LinkedIn | harshvardhan-jadhav
- GitHub | Harshj6301
- Kaggle | harshjadhav6301

PROFILE

Machine learning engineer with over 9 months of experience in analysis of structured and unstructured data, EDA, feature engineering, building baseline models, training, validation and testing models for evaluation and inference. Specializing in implementing deep learning architectures, machine learning models. Proficient in data visualization techniques and generating insightful reports to communicate findings effectively.

EXPERIENCE

- **Machine Learning Engineer Intern** | Prodigy InfoTech
  Remote, Mumbai | 09/2023 – 11/2023
  - Developed user-friendly web applications for machine learning and deep learning models by leveraging Streamlit for seamless deployment, intuitive interfaces and insightful data analysis.
  - Built a custom deep learning model to classify images after processing heavily filtered images.

- **Machine Learning Engineer Intern** | Ignitus
  Remote, Europe | 03/2023 – 07/2023
  - Analyzed large dataset consisting more than 1 million records for creating machine learning model to predict customer behavior.
  - Built baseline models and documented the model development process for the purpose of enhancing LMS resources.

PROJECTS

- **Volume analysis for stock prices:**
  - Performed data wrangling, EDA to seek patterns and levels of importance in stocks and indices.
  - Used DBSCAN to cluster similar levels of volume, value of trades over stock prices resulting in identifying zones of interest in the chart.

- **OCR-based Named Entity Recognition:**
  - Systemized a PyTesseract OCR model to identify texts based on evaluations of character and word error rates, achieving an 80% accuracy.
  - Incorporated a pre-trained Named Entity Recognition (NER) model to extract entities from the identified texts and interpreted the information by text mining and web searches to collect actionable data. *Source*

- **Face Recognition Classification:**
  - Designed CNN model to identify 40 faces, used TensorFlow, Keras and NumPy to pre-process images for training model resulting in 89% accuracy. *Source*

- **Car Integrity CNN:**
  - Developed an image classification model using transfer learning for classifying car images by condition and deployed the model on HuggingFace, achieving 90% to 95% accuracy. *Source*

ACHIEVEMENTS

- Created a Python module for generating subplots, packaged the module in a GitHub repository, reducing coding time for plotting by 40-45%.

- Qualified for Coursera's first ever Data Science coding competition, a retention prediction challenge and scored 72%.