Apoorv Omar
Machine Learning Engineer

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SKILLS

- **Tools & Technologies**:- Tensorflow, Keras, Pytorch, Transformer, Spacy, Sci-kit learn, Pandas, Mysql, Numpy, Matplotlib, Seaborn, Git, AWS, GCP, Flask, Docker, Linux, VS Code.
- **Interests**:- Data Science, Machine Learning, NLP, Computer Vision.
- **Programming**:- Python, C, C++

EXPERIENCE

MACHINE LEARNING ENGINEER
US TECH SOLUTIONS

Jan '20 - Present

NOIDA,INDIA

- Built an end-to-end automated platform that assists job seekers as well as recruiters in identifying talent and roles.
- Built logic for text serialization and resume classification of resume with **97%** accuracy.
- Prepared logic for text segmentation of resumes with **90%** accuracy.
- Modified date extraction library for resume parser witH **95%** accuracy.
- Optimized complete resume average parsing time by **50%** from **5.4s** to **2.3s**.
- Implement a transformer-based model for entity extraction of resume with **89%** accuracy.
- Built logics for entity relationships in the different-different segment of resumes.
- Leveraged good research skills to conduct a comparative analysis of various text extraction libraries, like (Apache Tika, PyPDF2, Pdfminer, PyMuPDF, etc.) to find the best-performing ones based on the type of use.
- Written automated script to reduce manual tasks by **50%** within a team.

MACHINE LEARNING INTERN
SIGNY ADVANCED TECHNOLOGIES

Dec '18 - Jul '19

GURUGRAM,INDIA

- Work on Digital Onboarding System.
- It reduces **50%** time in the user onboarding system and also provides the user's interactivity.
- By applying combinations of preprocessing techniques that enhance the model accuracy by **10%** on the desired conditions.
- Optimized the face verification time from the **20s** to the **15s.**

PROJECTS

SPEAKER AUTHENTICATION AND VALIDATION

- Implement **VGG16** for the classification of sound waves which can be used for security purposes.
- It takes only 5 sample voices of the same person for training by using the concept of transfer learning.
- This model can be used as a password on many devices.

NEXT-GENERATION TRAFFIC LIGHT

- Model's aim to minimize congestion and jams at traffic points with help of CCTV cameras.
- By using **YOLO** and **OpenCV** algorithms we can determine the number of vehicles on each side of the road.
- Apply a prediction model on top of that to predict the allocation time for each side.

CERTIFICATIONS

- **DEEP LEARNING (** IITM Research park)
- **PRACTICAL MACHINE LEARNING WITH TENSORFLOW (** NPTEL)
- **DEEP LEARNING PART-1, PART-2 (** NPTEL)

EDUCATION

B.Tech in Computer Science and Engineering, (GPA: 8.37/10)
KIET GROUP OF INSTITUTIONS

Jul '16 - Sep '20

GHAZIABAD,IN

Relevant Coursework: Data Structure and Algorithm, Object-oriented design, Computer Network, Machine learning, and Image Processing.

- Secures silver medal in the week of code 37 on **hackerrank.**
- Achieved 6-star rating in problem-solving on **hackerrank**.