
****Pavan Kumar Adinani****

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****Professional Summary****

Dedicated and innovative Machine Learning Engineer with 2 years of experience in the R&D Department at MakersLab, Tech Mahindra. Proficient in Python, TensorFlow, PyTorch, Scikit-learn, NLP, Computer Vision, SQL, Flask, OpenCV, and Git. Committed to building intelligent applications using the latest AI/ML technologies. Seeking to leverage my skills and experience to contribute to the Machine Learning team at Wipro.

****Skills****

- Python
- TensorFlow
- PyTorch
- Scikit-learn
- NLP
- Computer Vision
- SQL
- Flask
- OpenCV
- Git

****Experience****

Machine Learning Engineer | MakersLab, Tech Mahindra | [City, Country] | Jan 2020 - Present

- Collaborated with cross-functional teams to design and develop machine learning models using TensorFlow and PyTorch.
- Worked on projects involving image super-resolution using GANs, real-time signboard translator using OCR and TTS, and AI-powered virtual assistant using NLP and speech recognition.
- Implemented and deployed ML models in production.

****Projects****

1. Image Super-Resolution using GANs

- Designed and developed a Generative Adversarial Network (GAN) to enhance image resolution.
- Implemented loss functions to optimize the network and achieve accurate results.

2. Real-Time Signboard Translator using OCR and TTS

- Developed an Optical Character Recognition (OCR) model to extract text from signboards.
- Implemented Text-to-Speech (TTS) technology to convert translated text into speech.

3. AI-Powered Virtual Assistant using NLP and Speech Recognition

- Designed and developed a natural language processing (NLP) model to understand user queries.
- Implemented speech recognition technology to transcribe user speech.

****Education****

B.Tech in Electronics and Communication Engineering | SRIT [City]