Computer Vision Engineer Computer Vision Engineer Computer Vision Engineer - AWM SmartShelf Aliso Viejo, CA Work Experience Computer Vision Engineer AWM SmartShelf - Aliso Viejo, CA September 2018 to Present Technology Stack: TensorFlow, Keras, Caffe, Theano, Python, OpenCV 4.0, C#, C++   Implemented image segmentation algorithms like Mask-RCNN and YOLO v2, v3 for retail products   Developed an end-to-end object identification, object counter and pose estimation system   Backend software development in C# to keep track of product inventory and mapping Software Development Intern (Python) Paradyme Management - Greenbelt, MD September 2017 to December 2018 Technology Stack: Python, Django, NLTK   Pre-processed image to be read by Pytesseract to convert images to strings for parsing   Enhanced parsing for the Resume Skill Repository project using word-embeddings and Regular Expression Algorithm Developer PES Institute of Technology - Bengaluru, Karnataka August 2015 to July 2016 Technology Stack: MATLAB, Festival, C++ programming Research Paper: Mixed-Viterbi unit-selection and variants for syllabic TTS with optimal monophone back-off   Enhanced the template based HMM segmentation model to improve sequence contiguities   Developed a variant of the mixed Viterbi algorithm in MATLAB using monophones and syllables for speech decoding Education Master of Science in Telecommunications Engineering University of Maryland - College Park - College Park, MD May 2018 Bachelor of Engineering in Electronics & Communication Engineering Institute of Technology - Bengaluru, Karnataka June 2015 Skills C (1 year), HIDDEN MARKOV MODEL (Less than 1 year), HMM (Less than 1 year), MATLAB (Less than 1 year), Python (1 year), Machine Learning, Neural, Opencv, Computer Vision Links http://pavithraezhil.weebly.com Additional Information SKILLS Programming: Python, SQL, R, C++, C#, Java, MATLAB   DevOps: Windows, Amazon Web Services (AWS)   Libraries/Framework: TensorFlow, Weka, Caffe, Spark MLlib, NLTK, Git, Tableau, Apache Spark, Kafka, OpenCV   Machine Learning: Bayes, K-NN, PCA, LDA, K-means, HMM, SVM, Neural Networks, CNN, RNN-LSTM

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