

Associate Instructor Associate Instructor Associate Instructor - INFO-I211 Informational Infrastructure
Bloomington, IN Work Experience Associate Instructor INFO-I211 Informational Infrastructure
January 2018 to Present School of Informatics and Computing, Indiana University Assisting the
Professor in teaching to write dynamic web applications in Python using databases and web
services Image Captioning February 2018 to February 2018 - In Progress Automatically generate
a natural language description of an image using Convolutional Neural Networks with Recurrent
Neural Networks SIGN Recognition 2018 to January 2018 Built and trained CNN using TensorFlow
on SIGNS dataset to recognize sign language with 86% accuracy Python Developer Anthropology
Department, Indiana University September 2017 to December 2017 Scraped and cleaned the
metadata required for citation network construction and analysis of Glynn Isaac Used the following
technologies: Python, Beautiful Soup, Requests, Web of Knowledge API, Scopus API Elements of
Artificial Intelligence August 2017 to December 2017 Implemented Neural Network with Adam
Optimization and Dropout, AdaBoost and K Nearest Neighbors to classify the orientation of an
image with 81%, 77% and 75% accuracy respectively Built a part-of-speech tagger and OCR
using probabilistic inference on Bayesian Networks using Variable Elimination and Viterbi
algorithm. Ranked 2nd with model accuracy of 98.4% in a class of 150 MS and PhD students Built
AI Bots to play the game of Chess and Ultimate Tic Tac Toe. Implemented minimax algorithm with
alpha-beta pruning technique and designed heuristic functions for both games Human Activity
Recognition Jan. 2017 Used Supervised learning algorithms such as Support Vector Machines,
Naive Bayes, Random Forrest to detect human activities and motion-related human disorders.
Random Forrest performed best with an accuracy of 98% Volunteer Mentor Coursera September
2016 to September 2017 Recognized as a Spotlight Mentor on Coursera: <https://goo.gl/vjMBbz>
Helped explaining machine learning fundamentals and answering questions related to programming
assignments PROJECTS Education Master of Science in Data Science Indiana University August
2017 to May 2019 Bachelor of Engineering in Computer Engineering Devi Ahilya University - Indore,
MADHYA PRADESH, IN July 2013 to May 2017 Links <http://linkedin.com/in/pulkit-maloo>
<http://github.com/pulkitmaloo> Additional Information TECHNICAL SKILLS Programming Languages

Python, R, C++, SQL, Matlab, Bash, Java, HTML/CSS, XML Tools/Frameworks Git, TensorFlow, Keras, Scikit-Learn, Jupyter, Tableau Machine Learning Techniques Predictive Modelling, Deep Learning, Clustering, HMM

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