Pooja Satish Wankhede

+1(716) 341-8650 | poojasat.wankhede@gmail.com | linkedin.com/in/pooja-wankhede | github.com/poojasat1

EDUCATION

M.S. Data Science, University at Buffalo, The State University of New York, Buffalo, NY. Dec 2022
PG Diploma in Advanced Computing, Center for Development of Advanced Computing, India. Jan 2016
Bachelor of Engineering in Computer Science, University of Pune, India. Aug 2014

SKILLS & TOOLS

Languages: Python, R, MATLAB, Java, SQL
Data Management & Analytics: MSSQL, SQLite
Tools/Techniques: Jupyter, Spyder, R Studio, Eclipse, Keras, TensorFlow, Computer Vision, Deep Learning, OpenCV, Dlib, YOLO, Image Processing, Object Detection, Object Recognition, Object Tracking, Face Detection, Automation using Python, Azure Custom Vision API, ABOT (ABSA's open-source RPA tool).

WORK EXPERIENCE

Infosys Limited, Data Scientist, Pune, India. Dec 2018 – Aug 2021

- Collaborated with US-based banking company to provide Data Science expertise.
- **POC**: Classified emails based on the text for appreciation emails using CRF and Named entity recognition using Bidirectional LSTM-CRF.
- Helped in retaining a South Africa based banking client using automation and data science skills worth $2m.
- Mentored new team members via knowledge transfer sessions.

ABSA Bank, RPA Developer, Johannesburg, South Africa. Apr 2019 – Oct 2019

- Automated multiple banking processes on ABot (ABSA Bot) platform using python and reduced clients manual work by 95%.
- Conducted requirement gathering, use case feasibility study and preparation process documents such as process definition documents (PDD), solution design documents (SDD).
- Obtained strong exposure to banks open-source RPA platform ABot (ABSA Bot).
- Experienced in analysis, design, coding, system testing, integration, UAT in RPA platform.
- **POC**: Extracted text from PDF files deploying Optical Character Recognition for better performance and security in automating the banking systems.

Cybage Software Pvt. Ltd., Machine Learning Engineer, Pune, India. Apr 2016 – Nov 2018

- Produced client-based Interactive advertisement application using object detection and recognition.
- Trained models on more than 10k images extracted from live video advertisements using multiple techniques such as Dlib, OpenCV, TensorFlow and YOLO Darknet to detect customized objects and to make it user interactive.
- Optimized models using various techniques such as early stopping, stochastic gradient descent and different hyperparameter tuning that helped us achieve ~85% accuracy with the greater number of detections.
- Developed deep learning photo caption generator using Convolution neural network and LSTM to generate captions for unseen images.

ACADEMIC PROJECTS

- Predicted winning team in an Indian premier league cricket match using sentiment analysis on Twitter data and projected positive, negative and neutral sentiments for both the teams.
- Collaborated on Cryptocurrency analysis and price prediction using time series forecasting methods on an extremely vast dataset.