Piyush Soni

Software Engineer

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WORK EXPERIENCE

Software Engineer
Samsung R&D Institute
06/2017 – Present *India*

Achievements/Tasks

- Developed a tool for automated classification and assignment of PLM issues to respective teams based on the issue's title and description.
- The developed tool is being used by Software Project leaders for issue assignment across SRI-Noida.
- Lead a team of 5 members to implement an idea of text summarization of a document's picture which is currently being integrated by the Camera team for upcoming smartphones.
- Developed automation tool for log analysis and scraping certain information from chip vendor's websites in order to reduce redundant task.

PERSONAL PROJECTS

Sudoku Solver (05/2020)
- A Flask app which can detect and solve Sudoku puzzle from the uploaded image. Used digit recognizer model trained on CNN network with accuracy of 98.2%.
- Technologies: Python, Flask, OpenCV, Keras

Fb-bot (01/2019)
- Developed a chatbot which was trained on reddit dataset deployed it on flask server.
- Used Encoder-Decoder model with Attention weights using pre-trained Embeddings and Beam-Search to find most likely answer.
- Technologies: Flask, Heroku, Python, TensorFlow

Bigmart Sales Data (04/2018)
- Worked on Bigmart Sales Dataset in a Data Science competition held by Analytics Vidhya.
- Used XGBoostRegressor model with hyperparameter tuning using Cross Validation techniques like RandomsearchCV and GridsearchCV.
- Technologies: XGBoost, Python

BookMyShow Data Extractor (01/2018)
- Developed an API which scraps unstructured movie data from BookMyShow website and shows useful insights for analyzing collected movie data from all over India.
- Technologies: Seaborn, Beautiful Soup, Python

Gesture Recognition Based Calculator (09/2017)
- Developed a Gesture Recognition cum Hand Tracking system that could trace the movement of hands. The gesture could be deciphered and particular actions/commands could be executed accordingly.
- Used this Hand Gesture Recognition system to develop a calculator which can solve complex mathematical expressions, with BODMAS implementation.
- Technologies: Python, OpenCV

EDUCATION

B.Tech. Electronics Engineering
Indian Institute of Technology (BHU), Varanasi
06/2013 – 05/2017 *7.93*

SKILLS & TECHNOLOGIES

Data Science | Machine Learning | Python | C++ | Git | Natural Language Processing | Computer Vision | Tensorflow | Heroku | Flask | Pandas

ACHIEVEMENTS

Best Project Award (09/2019)
For contribution in project Galaxy M30s

Cleared Level 3 SW Competency Test (12/2018)
Samsung

Samsung Kudos Award (11/2018)

CERTIFICATES

Neural Networks and Deep Learning
deeplearning.ai, Coursera

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization
deeplearning.ai, Coursera

Convolutional Neural Networks
deeplearning.ai, Coursera

Sequence Models
deeplearning.ai, Coursera

R Programming
John Hopkins University, Coursera

Exploratory Data Analysis
John Hopkins University, Coursera

LANGUAGES

English
Native or Bilingual Proficiency

Hindi
Native or Bilingual Proficiency