

# 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

### Fb-bot (01/2019 – Present) 🔗

- Developed a chatbot which was trained on reddit dataset deployed it on flask server. Deployed smaller date translation model on FB messenger using Heroku 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 – 07/2018) 🔗

- 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 – 05/2018) 🔗

- Developed an API which scraps unstructured movie data from BookMyShow website and store it in tabular form.
- Shows useful insights for analyzing collected movie data from all over India.
- Technologies: Seaborn, Beautiful Soup, Python

### Gesture Recognition Based Calculator (09/2017 – 12/2017)

- 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

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