Shefali Tripathi

sheftrip.github.io

shefalitripathi4@gmail.com | +91-9119225442 | f20170139@pilani.bits-pilani.ac.in

EDUCATION

BITS PILANI, PILANI
BE in Computer Science
June 2021 | Pilani, Rajasthan
Cum. GPA: 7.35 / 10

AHLCON PUBLIC SCHOOL
Grad. May 2017| Delhi, India

LINKS

Github:// **sheftrip**
LinkedIn:// **shefali-tripathi**

COURSEWORK

UNDERGRADUATE
Neural Network and Fuzzy Logic
Information Retrieval
Image Processing
Pattern Recognition
Database Management Systems
Data Structures and Algorithms
Operating Systems
Computer Networks
Object-Oriented Programming

SKILLS

PROGRAMMING
Over 5000 lines:
C++ •C • Python • Java •
Over 1000 lines:
MSSQL • Matlab • Assembly •
Familiar:
JavaScript• CSS • HTML • Prolog •
MongoDB

EXPERIENCE

L&T MHPS BOILERS PVT. LTD. | IT Intern
June 2019 - July 2019 | Faridabad
- Automated a standard, but customized, 'Happy Birthday' and 'Celebration of Joining Anniversary' mail sent daily to the concerned employees of L&T MHPS Boilers Pvt. Ltd. by members of the Human Resources Department manually.
- Using VBA code and Python's PIL library, which I encoded in the excel sheet containing information of the employees.
- This project was taken up in order to reduce the workload of the HR department by automating basic yet time-consuming tasks.

PROJECTS

CHARACTER-LEVEL CONVOLUTIONAL NETWORKS FOR TEXT CLASSIFICATION
April 2020 - May 2020 | Python

Implemented the paper "Character-level Convolutional Neural Networks for Text Classification" (Yann LeCun et al.) as a part of the course Neural Networks and Fuzzy Logic at BITS Pilani. Applied a Character-level Convolutional Network to the AG News Dataset. The network was designed using the python library, PyTorch. Additionally, implemented a Word-Based Convolutional Neural Network (using PyTorch), for the purpose of comparing the efficiency of the Character-level CNN. This project was written in a group of three, including myself.

DUTCH-ENGLISH TRANSLATOR
October 2019 - November 2019 | Python

Implemented a Cross Lingual Document Translator, using Statistical Machine Translation model. The statistical model, IBM Model 1, has been trained for alignment and translation. Performance metrics such as cosine similarity and Pearson's correlation coefficient, have also been implemented in the translator. This project was done in a group of five,including myself, as a part of the course, Information Retrieval at BITS Pilani.

ERPLAG: TOY-COMPILER
January 2020 - April 2020 | C

Designed a Compiler for the Toy-Programming language ERPLAG as part of the course Compiler Construction at BITS Pilani. The compiler compiles ERPLAG source code to NASM code for execution. This project was written by a group of three, including myself.

EXTRA CURRICULARS

WALL STREET CLUB
August 2017 - Present | Member

HINDI ACTIVITIES SOCIETY
August 2017 - Present | Member
August 2019 - September 2019 | Co-ordinator