G. SAVITHA

MS, Computer Science

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EXPERIENCE

Software Intern
KPIT Technologies

📅 May 2018 – July 2018   📍 Pune

Key work included developing a multi-label text classification system form project and systems documentation.

Teaching Assistant
Indian Institute of Information Technology,Sri City

- Discrete Mathematics   Aug'18 – Dec'18
- Computer Organisation   Jan'18 – May'18
- Algorithms   Aug'17 – Dec'17
- IT Workshop-2 [Python]   Jan'17 – May'17
- Computer Programming   Aug'16 – Dec'16

KEY PROJECTS

Knowledge Discovery on Newspaper Articles
Honours Project - Guide: Dr. Rajendra Prasath

Working on multi faceted information extraction from newspaper articles. Experimentation with graph representation of articles,statistics based on graphs and graph clustering and topic modeling. The main focus was to present diverse information to user through query expansion.

Distributed Semantic Network for Knowledge Management

Construct Distributed Semantic Network (DSN), for heterogeneous data representation using semantic information from different data sources utilising Hadoop, WordNet and Semantic Parsing.

Web Portal for Farmers

Web Portal for framers built on Django framework which includes features such as displaying current crop prices from government database (https://data.gov.in/), maintaining poultry and finding region specific crop information http://farmereverywhere.herokuapp.com/

Rubik's Cube Solver

We designed and built a machine which solves a 3x3 Rubik's Cube using a Raspberry Pi 2,Stepper Motors, Custom Made chassis and motor driver boards.

PUBLICATIONS

Accepted - Query Expansion using Information Fusion for Effective Retrieval of News Articles in 8th International Conference on Pattern Recognition and Machine Intelligence (PReMI 2019)

TECHNICAL SKILLS

C   C++   Python   Java   PHP
HTML   MATLAB

Django   Web2Py   Hadoop   Solr

MySQL   SQLite   PostgreSQL

EDUCATION

MS in Computer Science
New York University - Tandon School of Engineering

📅 2019–Ongoing

B. Tech (Hons) Computer Science and Engineering
Indian Institute of Information Technology, Sri City, Chittoor

📅 2015–2019   CGPA 8.64/10

AREAS OF INTEREST

- Knowledge Discovery
- Information Retrieval
- Data Analytics
- Machine Learning
- NLP

KEY COURSES

Current Graduate Courses
- Programming for Big Data Analytics
- Principles of Database Systems
- Design and Analysis of Alogorithms -1

ROLES OF RESPONSIBILITIES

- Academic Class Representative 2018-2019
- Event Organiser for Abhisarga'17 - Cultural Fest