


Sai Teja Karnati

+1 773 875 1910 | saitejakarnati95@gmail.com | skarna3@uic.edu | Sai Teja 

Experience

ZENOTI | SOFTWARE ENGINEER

JUL 17 – APR 18

- Worked as a Full Stack developer at Zenoti adding multiple features in Frontend and Backend.
- Upgraded old Feedback system which can be highly customized so that the clients can get precise feedback.
- Implemented new “Goods and Sales Tax” schema according to the changes issued by Government of India.
- Optimized SQL queries and improved the loading times of Data tables giving customers a pleasant time.
- Started Digital signage and Google home integration projects.

DELL-EMC | INTERN

AUG 16 – JAN 17

- **CNN using Tensorflow:** Used Deep Learning methods to detect number plates and house numbers which can be further expanded to use on documents to retrieve Document IDs at Documentum.
- **Linux Container and Docker**–Used Docker to deliver IDSX (DELL-EMC2 Product) 20 times faster and eliminated tons of wasted man-hours in the installation and setup hassle.

CENTRAL LEATHER RESEARCH INSTITUTE (CSIR-CLRI) | INTERN

MAY 15 – AUG 15

- Created an Automated GUI Application to transfer data from PDFs to EXCELS saving 10 man-hours/week.
- Studied Machine learning methods to predict GDP changes accurately using GDP Data from 1980-2015.

Skills

LANGUAGES

- C, C++, PL/SQL, Java, JavaScript + CSS, C#, ML Python libraries – Pytorch Keras TensorFlow)
- Environments : ASP.NET Web Forms, Jupyter Notebooks, Linux, Docker containers

Education

UNIVERSITY OF ILLINOIS @ CHICAGO | MS, COMPUTER SCIENCE

AUG 19 - PRESENT

- Deep Learning in Natural Language Processing, Neural Networks, Machine Learning
- Computer Systems Security, Graph Algorithms, Computer Vision (Auditing)

Projects :

- Working on a new Operating system “Ethos” with a design philosophy that emphasizes on stronger security.
- Sentiment analysis and opinion mining to study the marketing impact and consumers shift.
- Understanding consumer reviews, summarizing and scoring the feedback using ALBERT and Seq2Seq RNN

BITS PILANI | B.E. (HONS), COMPUTER SCIENCE

AUG 13 - MAY 17

- Computer Networks, Database Management, Computer Architecture, Operating systems, Data Structures & Algo
- Machine Learning, Information Retrieval, Data Mining, Object Oriented Programming, Advanced Algorithms

Projects :

- Construction of Boolean and Vector based Search Engines as part of Information Retrieval Course.
- Movie Recommendation System using Item Based Collaborative Filtering using similarity functions.
- Constructed a Lisp compiler as course work in Compiler Construction
- Apriori algorithm for Association rule Mining
- Humanities SOP about Language teaching