MAnaswini budavati

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## Education

* **The University of Texas at Arlington, TX**

Master of Science, Computer Science, May 2018 (GPA: 3.9/4.0)

Specializations: Intelligent systems (Artificial Intelligence I, Machine Learning including Data Analysis and Modelling Techniques, Special Topics in Advanced Intelligent Systems) and Databases (DBMS Models and Implementation Techniques, Data Mining, Advanced Topics in Database System)

* **Hindustan University, Chennai,** **India**

Bachelor of Technology, Computer Science Engineering, June 2016 (CGPA: 9.28/10)

## Technical skills

* Python (Django, Flask, Scikit-learn, NumPy, Pandas, TensorFlow, Keras, OOP, BeautifulSoup), NLP, C++, Shell scripting, JSON, JavaScript, HTML5 & CSS, Product development, Web development, Bot framework, Java(basic).
* MySQL, Oracle SQL, NoSQL Databases – MongoDB, Cloudant.
* Cloud Computing: IBM Bluemix, Amazon Web Services, Microsoft azure.
* Operating systems: Windows, Linux (Ubuntu)

## Work experience

*Product Development Intern, Future Focus Infotech Pvt Ltd, IND (Jun 2016 – Nov 2016)*

* Django\_Wiki: Wiki application using Django web framework with tagging, categorizations, etc.
* Blog2Wiki: Developed the tool for extracting content from live blog’s RSS feed and source scrappers into Django\_Wiki using python’s beautifulsoup scraping package.
* Wordbot: Similar or correct word suggesting bot for a given word, developed for Slack, Telegram messaging apps using Microsoft bot framework hosted in Linux VMs.
* Collab: Replica of Slack app that can import the exported Slack channel data, developed using Django containing public-private channels, multiuser interface and file sharing features.

*Systems Engineer Trainee, Infosys, Mysore, IND* *(Jan 2016 – May 2016)*

* Developed a CTI connector to enable integration of UCM with web applications.

## Academic Projects

* Telugu2vec: State-of-the-art language model for Telugu (an Indian language) and created word2vec for further use in applications.
* ML Binary forest classifier: Recommending transfer of personnel based on extracted and modeled defense HR dataset.
* KNN Classification: Classified Wine data with quality of wine having discrete values as class attribute using K-Nearest Neighbor classifier from Scikit-learn.
* KNN classifier & Regressor: k-Nearest neighbor algorithm implemented from scratch for classification and regression on Iris dataset.
* Naïve Bayes: Classifying the mushrooms as edible or poisonous using the naïve bayes algorithm implemented from scratch.
* ANN: Developed an Artificial Neural Network using sigmoid activation function and backpropagation to train on MNIST dataset.
* Multiclass Logistic Regression: Multiclass classification using logistic regression algorithm with softmax activation function and cross entropy loss function on MNIST dataset.
* CNN: Classification on MNIST dataset using the Tensor Flow Convolutional Neural Network tutorial.
* Resource Bidding: A multiagent systems project to compute Nash equilibrium for resource bidding problem.
* Processing Time allocations: Allocating Computational time slots (having binomial distribution) for the jobs whose values are drawn from uniform distribution. Allocation is done based on different types of auction-based allocation schemes.
* Connect4\_game: Performs the next step(s) in Connect4 game with One-move and Interactive modes.
* Cloud projects: Search Engine on AWS Cloud, Data storage & Cryptography with IBM Bluemix, Hadoop-MapReduce (on earthquake data), Data upload & Extraction on Microsoft azure.
* Transaction Management: Implemented 2-phase-locking-protocol in Java for managing transactions with wait-die deadlock prevention method.