

Sanket Deshmukh

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OBJECTIVE

Take up new challenges to utilize my knowledge and intelligence for personal and organization's growth

EDUCATION

UNIVERSITY OF UTAH

MS IN COMPUTER SCIENCE

Expected May 2018 |

GPA: 3.86 / 4.0

VISHWAKARMA INSTITUTE OF TECHNOLOGY, PUNE

B TECH IN ELECTRONICS AND TELECOMMUNICATION

May 2014 | Pune, India

GPA: 9.25 / 10.0

HONORS IN EMBEDDED SYSTEMS DESIGN

May 2014 | Pune, India

Cum. GPA: 9.40 / 10.0

SKILLS

PROGRAMMING

Python (Pandas, SkLearn, PyQt, Numpy, Keras, Tensorflow) • Shell Script • C • SQL (SQLite, MySQL) • MATLAB • Core Java • JavaScript • HTML • CSS • C++ • Django • D3.js

OPERATING SYSTEMS

Linux • Windows

VERSION CONTROL

• Git

CI PLATFORM

Jenkins CI • Travis CI

SOFTWARE TOOLS

QtDesigner • Microsoft Office • Jupyter Notebook • VM player

LANGUAGES

English • Hindi • Marathi

LINKS

Github:// [sanketd11](https://github.com/sanketd11)

LinkedIn://in/sanket-deshmukh-1b85b756

COURSEWORK

GRADUATE

Machine Learning
Distributed Systems
Advanced Algorithms
Data Mining
Natural Language Processing
Operating Systems
Computer Architecture

UNDERGRADUATE

Embedded Systems
Digital Image Processing

EXPERIENCE

PARTICLE FLUX ANALYTICS | SOFTWARE INTERN | JAN 18 – PRESENT

- Delivered the automated scripts for visualization and analysis of the IoT sensor data
- Implemented Neural Network classification algorithm to identify the type of activity based on sensor data

UNIVERSITY OF UTAH | GRADUATE RESEARCH ASSISTANT | Mar 17 – Dec 17

- Designed and developed a Desktop UI Application for analysis of Multi Angle Snowflake Camera (MASC) data products using **Python, Qt GUI library and SQLite database**
- Refined Image processing and Machine Learning based Snowflake classification algorithm and the documentation of the MASC
- Implemented '**Neural Network**' based snowflake identification algorithm which increased the accuracy by 13%.

MU SIGMA BUSINESS SOLUTIONS | DECISION SCIENTIST | Aug 14 – Jun 16 | Bangalore, India

QA and Automation | CASPERJS, SLIMERJS, SHELL SCRIPT, PYTHON

- Designed and developed automated test suites to be used for UI and Functionality testing for a web-based IDE '**RCloud**' using CasperJS and SlimerJS.
- Automated '**RCloud**' testing with Jenkins CI and Travis CI

Data Analysis (Natural Language Processing) | PYTHON

- Implemented LSA (Latent Semantic Analysis) for similarity analysis of text documents
- Developed grammar files for masking sensitive data (telephone number, credit card number, SSN number, etc.) to be used with OpenFST for Continuous Unstructured Data Anonymization

PROJECTS

SENTIMENT CLASSIFICATION OF TRAVEL DESTINATION REVIEWS | (PYTHON)

Implemented various Machine Learning Classification algorithms including SVM, Logistic Regression and Naïve Bayes on the extracted features for prediction of sentiment (positive/negative) of the given review text.

STRUCTURE PREDICTION IN RECIPE INGREDIENTS | (PYTHON)

Implemented Hidden Markov Model and Structured Perceptron algorithms to model a recipe in the form of a structure and identify the ingredient components from that structure. Achieved the accuracies up to 90% and 59% on ingredient component and sentence level respectively.

NEWS HEADLINE CLASSIFICATION | (PYTHON)

Developed and deployed a Django App that uses Neural Network based classifier model (**Accuracy 86%**) at backend to classify the news headlines into one of the categories among Technology, Business, Health and Entertainment.

INTELLIGENT BLOOD SAMPLE ANALYZER | (MATLAB)

Designed an algorithm for detecting and counting various blood components that includes RBC, WBC, platelets along with detection of Sick Cell Anemia Condition and Malaria parasites in blood cells using Image Processing.

ACTIVITIES AND AWARDS

- Co-Chair at the **Data Science Club** at the University of Utah
- Decision Scientist Beginner** Certification from MSU (Mu Sigma University)
- Spot Award for exceptional work in Automated Testing (Mu Sigma)
- First Prize** in national level Line Tracer Robot Race Event, VIT, Pune