

Mrityunjay Kumar

Skype: mrityunjay.kumar.tal

Email : mjaycse@gmail.com

Mobile : +91-8800300687

EDUCATION

- **Maulana Azad National Institute Of Technology** Bhopal, India
Bachelor of Technology in Computer Science and Engineering; GPA: 7.85/10.0 *Aug. 2010 – May. 2014*

PROGRAMMING SKILLS

C, C++ , Python	●●●●●●●●●●
NLTK, Sci-kit, NumPy	●●●●●●●●●●
Data Structure and Algorithms	●●●●●●●●●●

EXPERIENCE

- **Talentica Software** Pune, India
Software Engineer - Data Science *April 2016 - Present*
 - **Cloud Sync Application:**
Smart File system service to allow two way delta sync
Key Features:
 - Add and remove origin folders to sync
 - Push Annotated files back to user
 - Sharing of content across Multi-tenant architecture
 - **Search Engine:**
A topic modelling based domain specific search engine model for handling large documents and providing intent based search retrieval.
Key Features:
 - Smart Query classifier
 - Used LDA/LSA to generate document vectors
 - Used graph DB for faster query processing and retrieval
 - Automated ontology formation based on domain knowledge
 - Clustering of documents with deep learning to understand the underneath context
 - **Image Processing:**
A POC which runs various ML algorithm on image data
Implementations Done:
 - Clustering all color patterns contained in image logo
 - Identifying mobile numbers in scanned pdf
- **Mediatek** Noida, India
Software Engineer *Aug 2014 - April 2016*
 - **Audio Player:**
Entitled Major Ownership for Audio player in feature phones
Role and Responsibilities:
 - Implementation of new requirements and assisted bug resolution
 - Implemented user defined play list [generation,delete,sharing]
 - Implemented new BT stack into Audio Player
 - Modified AUDIO Play engine for asynchronous event handling
 - **Combo Tool:**
GUI Tool for processing modular commands for various system level test.
Key Features:
 - Implemented wrapper for WIN32 API for interacting with POSIX lib
 - Implemented event driven asynchronous architecture
 - Implemented packet data interfaces : Serial, RS232, Ethernet, USB
 - **GPS Logger:**
GUI Tool for monitoring online NMEA data from GPS Port.
Key Features:
 - Implemented wrapper for WIN32 API for interacting with POSIX libDesigned a dedicated pipeline system where Logger tool and android application can run bench marking test cases.

ACADEMIC / PERSONAL PROJECTS

- **Product feature and Opinion extraction of Amazon dataset:**

Prof. Saritha Khetawat

- Implemented Logistic regression to model product sentiments using HMM
- Implemented detection of explicit features and opinion extraction in dataset
- Used graph DB to store the reviews about features

- **Semantic Orientation Of Twitter Data :**

Prof. Saritha Khetawat

- Implemented classification for important aspect about a tweet
- Implemented semi-supervised score provider word polarity
- Listed user provided sentiment for key features about particular product.

- **Personal computer Assistant :**

Key Features:

- GUI Tool for quick access to recent activities at PC.
- Maintaining permanent system cache for all favorite processes
- Desktop service : Playing music/movies/finding docs
- Web services : Top rated movies at IMDb, Wikipedia keyword information, Dictionary

CERTIFICATION & MOOC'S ATTENDED

- **Machine Learning Specialization :**

COURSERA [2/5]

- **Machine Learning :**

COURSERA [2/5]

- **Basic Statistics :**

COURSERA [completed]

- **Probabilistic Graphical Model :**

COURSERA [1/3]

- **Python for Everybody Specialization:**

COURSERA [completed]