

# MAYANK TAKSANDE

## BTECH-IT-MBA(DUAL DEGREE)

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Mumbai, Maharashtra, INDIA

## EDUCATION

### B.Tech in Information Technology

#### IIIT ALLAHABAD

Aug 2017-present

CGPA :- 7.68

### Senior Secondary Education

#### Central Board of Secondary Education

Graduated-2016

Percentage :- 89

Amrita Vidyalayam, Navi Mumbai

### Secondary Education

#### Central Board of Secondary Education

Graduated -2014

CGPA :- 9.4

Amrita Vidyalayam, Navi Mumbai

## PROJECTS

### Emotion Detection from Speech

Nov-2018

Extracting the emotional state of a speaker from his or her semantic speech uttered in different circumstances. Our data-set had 7 emotion classes (anger, disgust, fear, happiness, pleasant surprise, sadness, neutral). These features give the patterns of rhythm and sound used in speech or the patterns of stress and intonation in a language.

Jupyter-Notebook

### Fast Object Detection for Autonomous Vehicles

April-2019

Accurate real-time object detection, such as vehicles, pedestrians, animals, and road signs, could accelerate the pace of building a self-driving car as safe as human drivers. In 2016, a fast object detector, YOLO, was proposed to expand object detection to real-time situations. We improved the accuracy while maintaining a real-time object detection capability for YOLOv3.

Jupyter-Notebook

### Personal Projects

**Battleship Space Shooter** - A Java applet single player space shooter game.

**NetworkGuard** - Dashboard for Security Analysis Tools

**MobiExpert** - Mobile Recommendation System

## TECHNICAL SKILLS

- Programming languages - C, Python, Java, C++, Prolog
- SQL and PL/SQL
- Familiar in Machine Learning with Python
- Learned to deal with Overleaf and latex
- Good familiarity with LaTeX and GNU Linux operating systems like Ubuntu, Mint etc.
- Tools Used: Android Studio, Eclipse, Visual Studio Code, Netbeans, IntelliJ, Jupyter Notebook, Sublime Text, Brackets

## COURSES

- Artificial Intelligence
- Data Mining and Warehousing
- Soft Computing
- Data Structures
- Object Oriented Methodologies
- Design and Analysis of Algorithm
- Operating System Concepts
- Database Management System
- Compiler Design
- Computer Organization and Architecture
- Computer Graphics
- Image and Video Processing
- Principles of Programming Languages
- Software Engineering
- Theory of Computation

## ACHIEVEMENTS

- Core Team Member in Effervescence 2018
- Served as Captain in District Level Football Tournament (DSO)
- Won 4 Gold Medals in International Olympiad of Science
- Academic Topper in School (12th Standard)

## INTERESTS

- Competitive Coding
- Football
- Guitar Playing
- Computer and Mobile Gaming