

# Subhrajit Makur

Indian Institute of Technology Madras

subhrajit.me

## Objective

To seek a challenging position that provides the cutting edge of Computer technology, where I can effectively contribute my skills as Software Professional utilizing my strong technical skills in an effective and creative manner.

## Education

Program	Institution	Year of Completion	%/CGPA
M.Tech. (CSE)	IIT Madras	2019	6.67
B.Tech. (CSE)	Jadavpur University	2012	6.88
XII - WBCHSE	Bankura Christian Collegiate School	2008	81.8
X - WBBSE	Taldangra Fulmati High School	2006	87.75

## Projects

**1. Multi-modal Large-Scale Video Understanding** **June 2018 - Present**  
*M.Tech. Project, Team size : 1* *IIT Madras*

**Skill Used:** Deep Learning, Tensorflow, Python.

This project aims to spur advances in analyzing and understanding large-scale video and produce a compact video classification model. Compact models need to meet memory and computational requirements.

**2. Image Classification Using Convolutional Neural Networks** **Jan 2018 - May 2018**  
*Course Project, Team size : 2* *IIT Madras*

**Skill Used:** Deep Learning, Pytorch, Python.

This project aims to Classify Images on [FashionMNIST](#) data-set Using CNN.

**3. Text Summarization using Recurrent Neural Networks** **Jan 2018 - May 2018**  
*Course Project, Team size : 2* *IIT Madras*

**Skill Used:** Deep Learning, Tensorflow, Python.

This project aims to generate a description from Table of Weather Data .

**4. Language Translation** **Feb 2017 - July 2017**  
*Course Project, Team size : 1* *Udacity*

**Skill Used:** Deep Learning, Tensorflow, Python.

This project aims to generate automatic Machine Translation from English to French .

**5. Generate Faces** **Feb 2017 - July 2017**  
*Course Project, Team size : 1* *Udacity*

**Skill Used:** Deep Learning, Tensorflow, Python.

This project aims to use generative adversarial networks to generate new images of faces.

**6. Online Test Taking System(MCQ)** **December 2011 - April 2012**  
*B.Tech. Final Project, Team size : 3* *Jadavpur University*

**Skill Used:** Java, MySQL, HTML, CSS - NetBeans IDE.

This software was engineered to conduct online Multiple Choice Question Test.

## Professional Experience

**Tata Consultancy Services Limited - [Experience Certificate]** **July 2012 - January 2014**  
*Assistant System Engineer*

- Worked as Front End Developer, build and maintained agile Project Management Tool using Adobe Flex, Java.
- Experience of handling large oracle database as developer.

## Course Work

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- **Algorithms:** Advanced Data Structures and Algorithms
- **Artificial Intelligence:** Deep Learning , Pattern Recognition and Machine Learning
- **Miscellaneous:** Logic and Combinatorics for Computer Science, Theories and Applications of Ontologies.

## Technical Skills

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- **Programming Languages / Technologies:** Python, C, C++, Java
- **Operating Systems:** Windows, Linux (Fedora, Suse, Ubuntu) **Databases:** MySQL

## Certification

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- [How Google does Machine Learning](#) from Coursera
- [Deep Learning Nanodegree Foundation](#) from Udacity

## Positions of Responsibility

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- M.Tech 2<sup>nd</sup> year Teaching Assistant of Computational Engineering IIT Madras, 2018
- M.Tech 1<sup>st</sup> year Lead Teaching Assistant of Departmental Computing Facility at IIT Madras, 2018.