

# Swapnil Sharma

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## Education

### B.Tech. in Information Technology

IIITA(INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, ALLAHABAD)

CGPA - 8.45

Allahabad, India

Aug. 2015 - PRESENT

### Senior Secondary Examination Class XII

CBSE

Percentage- 94.40

2014

### Higher Secondary Examination Class X

CBSE

CGPA- 10.0

2012

## Projects

### Evolutionary Domain Adaptation

A PROJECT IN TRANSFER LEARNING

Jan. 2018 - May. 2018

- In this, we used **multi-objective neuro-evolution**(as model) to address a complex task of **Domain Adaptation**.
- Its task is **Object Recognition** when images are in two different domains. The model was trained in source domain(like pictures during daytime) and tested on, more difficult, target domain( like pictures of same object during night.)
- <https://github.com/nilinswap/Domain-adaptation>

### Multi-Objective Neuro-evolution

A PROJECT IN DEEP LEARNING

Aug. 2017 - Dec. 2017

- A **classification** model is implemented which uses **Genetic Algorithm**(mainly) to develop an optimum deep network.
- It is based on a famous research named **NEAT.**, in which network can also be developed in topology, allowing complex networks to take shape and uses a powerful genetic Algorithm **NSGA-II**.
- Occasionally, **Back-Propagation** is applied to boost the convergence.
- Implementation is majorly in **python** but use **Tensorflow** for back-propagation. For implementation of NSGA-II, an API named **DEAP** is used.
- <https://github.com/nilinswap/neuro-evolution>

### Internship Locator

A PROJECT ON BACK-END DEVELOPMENT

Jan 2017 - May 2017

- It is a web application that connects needful Companies to promising students.
- It has **Python** taking help of **Flask** framework and using **MySQL** for database. It uses **Bootstrap** on outside.
- [https://github.com/nilinswap/internship\\_proj](https://github.com/nilinswap/internship_proj)

## Extracurricular Activity

2017-18 **Left Back**, IIITA Football Team

2015-17 **Member**, IIITA Dance Society

2016 **Organizer**, Futsal

## Honors & Awards

2016 **Left Back**, Represented College in Spardha 2016 (BHU), Varanasi, U.P., INDIA

2017 **First**, Inter-Year Football Competition, IIITA

2016 **Finalist**, Inter-Year Football Competition, IIITA

2015 **First**, Dance Competition Foundation Day, IIITA