

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

Higher Secondary Examination Class XII

CBSE

Percentage- 94.40

2014

Senior 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

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