

# Aditya Goel

IRM2016003@iiita.ac.in

## EDUCATION

### IIIT - ALLAHABAD

Pre-Final Year

B.Tech in Information Technology

Dual Degree M.Tech in IT

Cum. GPA: 8.6

### JPHS, JAIPUR

High School

Grad. May 2016

Percentage: 93.8%

## LINKS

🔗 Ellusionists

in AdityaGoel

🐦 @itsAdityaGoel

## COURSEWORK

### UNDERGRADUATE

Distributed Computing

Soft Computing

Data Mining and Warehouse

Computer Vision

Image and Visual Processing

Graph Theory

Software Engineering

Convex Optimization

## SKILLS

### PROGRAMMING

Languages

• Python • PySpark • Scala

• Java • C++

Development Stacks

• Django (Python) • ReactJS

• Netbeans (Java)

Data Science Libraries

• Tensorflow • Keras • Matplotlib

• Seaborn • Pandas • Scikit

Data Science Tools

• Jupyter Labs • Hadoop

• Matlab

## EXPERIENCE

### DATA SCIENCE INTERN | JIO AI CENTER OF EXCELLENCE

Dec'19 - Current | May 2019 - July 2019 | Hyderabad

- Led the project on "Formation of Logical Feature Communities" under guidance of Dr. Shailesh Kumar (India's leading data scientist)
- Implemented community detection model (a novel state-of-the-art classification model) from scratch and integrated it with Jio Data Science Platform.
- Built a Data Agnostic Model that automatically clean fuzzy data and prevents data leakage.

### DEEP LEARNING INTERN | DETECTION IN CANCER IMAGES

Feb 2019 - March 2019 | LYTiQ GmbH, Germany (Remote)

- Developed a model for calculating the count of mitotic nuclei in breast cancer histological images.
- Improved model using the latest fastai library and then hyper-parameter tuning.
- ICPR 2012 and 2014 datasets were used for training of the model.

## PUBLICATIONS

### MULTI-MODAL SYSTEM IN HUMANOID ROBOTS

2018-19 | Robotics and Machine Intelligence Lab, IIIT-A

- Designed a fusion system model which inputs both speech and gestures as mode of expression of command for a robot.
- Primary aim is to build a system that would allow robots to communicate effectively with differently-abled people.
- Real time: Commands are followed by the robot with minimum latency.
- Proposed research accepted under IEEE UPCON-2019.

## PROJECTS

### EXPERT SYSTEM | AI CAREER GUIDANCE EXPERT SYSTEM

October 2018 - Nov 2018

- Developed an expert system that determines Myers-Briggs Type of a person.
- The system suggests relevant career options on the basis of personality and academic background through a questionnaire.
- Modelled and coded the entire system.

### VIRTUAL CLASSROOM | WEB-APP USING PYTHON-DJANGO

March 2018 - May 2018

- Created a 'Virtual Classroom' where students can enroll, view and download course content.
- Content includes videos, presentations, notes, etc. which may be posted by faculty only. Questions may be asked and answered by students.
- Responsible for designing and implementing back-end system for the project.

## GLOBAL VOLUNTEERING

### Leadership Development | AIESEC Global Exchange Program

May-July'18 Kharkov, Ukraine

Quality Education For Everyone

May-July'17 Hefei, China

Sustainable Cities And Communities