# Ujjwal Singh

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## EDUCATION

**IIIT DELHI**
Bachelor in Technology (CSE)
DELHI , INDIA

## LINKS

Facebook:// **Ujjwal Singh**
Github:// **ujjwalll**
LinkedIn:// **Ujjwal Singh**
Personal Portfolio:// **Ujjwal Singh**

## COURSEWORK

### UNDERGRADUATE

System Management
Linear Algebra 1
Probability and Statistics
Econometrics - 1
Discrete maths
Java Masterclass
*Course by Tim Buchalka (Online Udemy Course)*
Algorithm and Data Structures (Part-1)
*Princeton University (Online course at cousera)*
Front End Designing Course
Machine Learning
*By Anderw NG*
Introduction to Algorithms
*6.006 by Eric Demaine.*
Robotics
*Online course by Columbia University*

## SKILLS

### PROGRAMMING

Over 10000 lines:
•C++ • Python
•HTML • CSS • LaTeX
• Java
Over 5000 lines:
• JavaScript • Bash
Familiar:
• Android • MySQL •ROS

## TALKS | MENTOR

- Recommender System
  **PyData Delhi meetup**

- How to predict the energy
  consumption patterns using AI
  **PyData Delhi meetup**

- **Mentor** Byld Hackathon @ IIITD

## EXPERIENCE

### UPGRAD  | SME
May-2019 - July 2019 | Gurugram, Delhi

### MIDAS@IIITD  | Undergraduate Researcher
March-2019 - Present | IIITD, Delhi

### FOSSASIA  | Contributor | UNESCO Vietnam hackathon
Oct 2018 – Oct 2018 | Delhi, India
- Contributor for their event website https://unesco.sciencehack.asia
- Resolved errors and added some features in that website

### PSF - PYTHON SOFTWARE FOUNDATION.  | Contributor
Jan 2019 – Present | Delhi, India
- Contributor for python blogs - a blog for gsoc aspirants.

### VIDYAMANDIR CLASSES VMC ANAND VIHAR - GHAZIABAD  |
Web Developer | GSO -2018
Jul 2018 – Sept 2018 | Delhi, India
- Works From scratch to develop website for their initiative GSO-2018
- Lead the team to make a fully responsive website, works on all type of screen sizes, search engine optimisation of website.

## PROJECTS

### DIGITAL BACILLARIA  | Image Analysis
Nov 2018 – Nov 2018 | Delhi , India
Image Analysis of a worm Bacillaria to map its brain, Under Dr. Richard Gordon (Wayne State Univ.), Dr Stephan Larson(MIT), Dr Bradly Alicea(UIUC).

### SENTIMENT ANALYSIS PROGRAM  | NLP
Jan 2019 – Jan 2019 | Delhi , India
A python - machine learning based program which can be used to detect the sentiments of online reviews posted on various websites. It can quickly judge whether it is a negative, positive or neutral comment with 82.13 percent accuracy.

### MOVIE RECOMMENDER SYSTEMS  | Machine Learning
Feb 2019 – Feb 2019 | Delhi , India
A platform which predicts movies of your taste. In this I have used movie lens data set and ALS matrix factorization techniques to give best results. This is the core technique that runs behind NetFlix reccomendations.

### IMAPCT FACTORS PREDICTOR  | Statistics, ML
March 2018 – Present | Delhi, India
I have implemented an algorithm which predicts the IMPACT FACTOR of JOURNALS based on their H-Index. This progrm is based on multivariate regression model.

## RESEARCH

- Topic modeling on User Interactions about the Pulwama Attacks on Twitter -
  **Ujjwal Singh**, Arijit Ghosh Chowdhury, Aniket Didolkar, Ramit Sawhney, Dr. Rajiv Ratn Shah *(Submitted to - AAAI Student Abstract)*

- Towards the Digital Bacillaria
  Bradly Alicea, Richard Gordon,**Ujjwal Singh**, Thomas Harbich, Asmit Singh, Paras Mehan