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# Ujjwal Goyal

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## CAREER OBJECTIVE

To be an innovator and make successful contribution in the field of technology by delivering the best in class technical skills and fostering innovation practices.

## EDUCATIONAL QUALIFICATION

Degree	Discipline	Institute	Year	CGPA / Percentage
Bachelors of Technology (B.Tech)	Computer Science	Jaypee Institute of Information Technology, Sector 62, Noida.	2018	7.5/10
Senior Secondary	CBSE	Childrens Senior Secondary School, Kota.	2014	90.20 %
High School	I.C.S.E	St. Georges College, Agra	2011	90.40 %

## INDUSTRIAL EXPERIENCE

Mc Graw Hill Education, Noida, India

[March '14]

### As a Beta Tester

In their new e-book of C++ with adaptive reading and student helping programs like quizzes involves with every chapter and main points summarize and revision tests, so that the student could grab the complete aspect of the course.

**Received a Letter of Appreciation from Product Development Specialist of Mc Graw Hill Education, after successful completion of the Beta Testing.**

## ENTREPRENEURIAL INITIATIVE

**Currently working on own startup (PLAGRAM)** of text based systems which include user friendly checking of documents plagiarism and various other modules basically forming a complete package with modules like essay or an article summarizer, grammatical checking of documents, etc.

Current – [www.plagram.pythonanywhere.com](http://www.plagram.pythonanywhere.com)

## TECHNICAL & INDUSTRY SKILLS

**System Programming:** C/C++, Python, Java

**Areas of Interest:** Website/ WebApp development, Android Development, Robotics

**Software Packages:** MATLAB, Arduino IDE, Adobe Photoshop.

**Web Framework and languages:** Python/Django, PHP, jQuery, Bootstrap, HTML5, CSS3, Javascript

**Database:** Mysql, MongoDB

**Version Control System:** Git

**Hardware Skills:** Arduino Development Board, RF and Bluetooth.

**Web Development Tools:** Phpmyadmin, Wamp/Xampp Servers, FileZilla, WordPress, SQL Enterprises.

**Hacking/Forensic Tools:** N-map, aircrack-ng toolset.

**Operating System:** Windows, Linux ; **Mobile OS:** Android

## ACHIEVEMENTS & HONORS

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- **First Prize** in Autonomous and Manual combined Robotics Event during **IMPRESSIONS**, the Technical fest of **JIIT**.
- **First Prize** in Codevengers, a Computer Programming inter-college fest event
- **Finalists** in Canyon Rush, a Manual Robotics Event during **Technovoltz 2015**, the Techno-Management fest at **IIT Bombay**.
- **Finalists** in Combat Nautika, a water based robotics Event during **Technovoltz 2015**, the Techno-Management fest at **IIT Bombay**.
- **First Prize** in sketching Event during **IMPRESSIONS**.

## KEY PROJECTS UNDERTAKEN

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### PLAGRAM – An online plagiarism detection tool

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*Guide: Dr. Manish Kr. Thakur , Department of Computer Science Engineering, IIIT Noida*

A web app on which you can upload any document whether txt, doc or pdf, and your document will be processed and checked through our database of 50000 documents and through advanced search over the entire net in no time and a nice dashboard UI for the user so that he can view the result of his files anytime anywhere efficiently. Several advanced data structures and algorithms have been implemented for the quick generation of efficient results, another module includes live comparison of 2 text online in no time with the result highlighting the same lines in the 2 texts and the plag rate in an interactive manner

**Technologies** used- python, Django web framework, MongoDB, html, css3, jquery, javascript etc

**Site link-** [www.plagram.pythonanywhere.com](http://www.plagram.pythonanywhere.com)

### JIITHUB- A social media site for college students

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A social hub interaction site for a college facility in which teachers and students can signup and interact among themselves with the online chat mechanism and among the college hubs as well, different hubs can post their contents and stuff and students can respond to them ,join the hubs ,interact with teachers, find the students by their year or teachers by their departments to resolve their doubts, also users can post their own status or post an image , edit their profile , change their profile pic and background image etc., therefore a full fledged working social site.

**Technologies** used- php,mysql,html,css3,javascript,jquery etc

**Site link-** [www.jiithub.pe.hu](http://www.jiithub.pe.hu)

### MOVIE RECOMMENDER

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An A.I. based project which takes in your likings from facebook pages, and based on the genres of the movie. Suggest or recommends the movies, based on the naïve bayes and k nearest neighbour clustering algorithm.

**Technologies** used- Android, Facebook ,Imdb api's , python/flask, etc.

### AUTOMATIC GARBAGE DISPOSAL BOT

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A bot made by combination of servo motors and various hardware tools integrated with Arduino board which provides automacity to the bot through code and input of various sensors, place it near your dustbin and it will automatically detect and collect the waste lying around near the dustbin and put it inside the dustbin without your effort, whenever you feel like using it , turn it on/off using your mobile's bluetooth

**Technologies** used- Arduino board, Bluetooth sensor, Ultrasonic sensor, IR sensor, etc.

## GETESSAY- An Extractive Essay Summarizer

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Guide: **Dr. Manish Kr. Thakur**, Department of Computer Science Engineering, IIIT Noida

A web app on which you can search for any type of essay according to your need, whether it's a personality or sport, or anything, of the desired length of sentences which you want, the essay is produced in no time based on the number of sentences you told and in chronological order of the desired topic through various web sources.

**Technologies** used- python, Django web framework, MongoDB, html, css3, jquery, javascript etc

site link- [www.getessay.pythonanywhere.com](http://www.getessay.pythonanywhere.com)

## RESEARCH & PUBLICATIONS

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### Ongoing paper on

under the guidance of: **Dr. Manish Kr. Thakur and Dr.Sandeep Kr. Singh**, Department of Computer Science Engineering, IIIT Noida

**Goyal, U.**, Chawla, S, Narang, R., Khandelwal, A, "Plagiarism Detection using advanced analysis"

## POSITION OF RESPONSIBILITIES

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- **Volunteer** at **International Conference on Contemporary Computing, 2015,2016**
- **Head Student** Technical Volunteer of **UCR**, Micro-Controller based Robotics Hub, IIIT Noida.
- **Volunteer** at CyberSrishti Inter College Technical Fest.
- **Volunteer** at Android Workshop, held in our college.
- Social Media Team Member in one of the biggest Technical event, **SAP Techniversity** in 2014 at IIIT
- Contributed towards SmartBook **Beta-Testing** at **Tata Mc Graw Hill Education**, Noida.

## EXTRA CURRICULAR ACTIVITIES

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- Sketch Artist
- play **basketball, badminton and swimming**.
- **Languages known**: English, Hindi, French.
- making several **robotics projects**.
- **project exhibitionist** at IEEE Conference 2015.
- participated in eco hub of college.
- plays acoustic guitar.
- participated in various non-tech competitions in our college.