

# Rohit Singh Rathaur

<https://rohitrathaurmit.wordpress.com/>

Cyber Security - Artificial Intelligence Enthusiast

Email : imh55.18@bitmsera.ac.in

Mobile : +91-9936048208

## EDUCATION

---

- **Birla Institute of Technology, Mesra** Ranchi, JH  
*Integrated MSc in Mathematics and Computer Science* *Jul. 2018 – Present*
- **Ravindra Nath Tagore Education Centre Inter College** Orai, India  
*Higher Secondary; Percentage: 81/100* *July. 2014 – May. 2017*

## EXPERIENCE

---

- **HackerEarth** Fremont, CA  
*Campus Ambassador* *Jan. 2019 - Present*
  - : To promote competitive programming within my university. To organize programming events and meetups. To organize programming competitions and get sponsored by HackerEarth. To connect with other ambassadors, share resources and get to know about fellow coders around the globe. Participated in student group discussions to stimulate insights. Circulated fliers, displayed posters and oered promotional items on campus to introduce students to competitive Programming.
- **Jindal Intellicom** Gurgaon, Haryana  
*BPO Intern* *Jun 2019 - Jul 2019*
  - : TheBPO executives are supposed to monitor many tasks and the work in the back oce which includes helping customers or clients with billing or purchasing or if the customer wishes to create an account for any product and much more.
- **Internshala** Gurgaon, Haryana  
*Student Partner* *Sep 2018 – Nov 2018*
  - : Student Partners represent Internshala in their campuses, and help their peers in order to make the best use of Internshala as well as gain essential skills in marketing, communication and enhance leadership qualities. My coreresponsibilities would be: Inculcate the internship culture in my campus.
- **National Service Scheme** Ranchi, JH  
*Social Service* *Jul 2018 - Present*
  - : NSS provide is to improve my own thought process by doing community services. NSS volunteers take care of Blood donation, cleanliness,child education,health awareness issues and many other activities.
- **Birla Institute Of Technology, Mesra** Ranchi, JH  
*Research Assistant* *Aug 2019 - Present*
  - **Neural Network:** Despite the success of deep learning in various tasks, its limiting factor is that its understanding remains underdeveloped, which in turn translates into a lack of principled methods to design efficient deep-neural-network architectures. Working under Assistant Professor Dr. Prabjot Kaur.

## PROJECTS

---

- **Twitter Sentiments Analysis:** May 2019  
Twitter is a popular microblogging service where users create status messages (called "tweets"). These tweets sometimes express opinions about different topics. The purpose of this project is to build an algorithm that can accurately classify Twitter messages as positive or negative, with respect to a query term. Our hypothesis is that we can obtain high accuracy on classifying sentiment in Twitter messages using machine learning techniques. Generally, this type of sentiment analysis is useful for consumers who are trying to research a product or service, or marketers researching public opinion of their company.  
[https://www.researchgate.net/publication/334453393\\_twitter\\_sentiments\\_analysis](https://www.researchgate.net/publication/334453393_twitter_sentiments_analysis)
- **Time Series Analysis and Forecasting with Python:** Present  
Time series analysis comprises methods for analyzing time series data in order to extract meaningful statistics and other characteristics of the data. The time series forecasting is the use of a model to predict future values based on previously observed values. Time series are widely used for non-stationary data, like economic, weather, stock price, and retail sales time series. Time series modeling is a dynamic research area which has attracted the attention of researchers over the last few decades. The main aim of time series modeling is to carefully collect and rigorously study

the past observations of a time series to develop an appropriate model which describes the inherent structure of the series.

- **Hacking the Air Gap: Stealing Data from a Computer that isn't Connected to the Internet:**  
You might think that one sure-fire way to keep our computer safe from hackers is to disconnect it from the internet entirely. But did you know that even without internet, a computer can transmit data using light, sound, vibrations, or even heat? In this project, I investigated how a spy or hacker can steal data from an "air-gaped" computer that has no internet connection. I can even use Google's Science Journal app to demonstrate how the data can be picked up by a nearby smart-phone.
- **Send It to The Minister's and MLA's:** Present  
This is a webapp that automatically looks up The India's Ministers and MLA's that correspond to the State that you are currently in. Information is then displayed about each Ministers and MLA's, including Political Party, Social Media Links, Biography and a page to contact them directly. The user can also input another state's name at the bottom of the page to learn more about that State's Minister's and MLA's. Our hope is that this website makes it easier for the average citizen to learn about their Ministers and their positions. It also allows citizens to easily contact their Ministers, increasing Political engagement.  
<https://github.com/TeAmP0is0N/Send-it-to-The-Minister-s-and-MLA-s-send-it-to-the-ministers-and-mlas>
- **Autonomous Runway Detection:** July 2019 – Present  
In this project I will integrate a complete IoT system for assistance in autonomous landing of aircraft. I will build a system capable of image filtering in real-time to spot the runway. This processed image is sent over a secure channel to a ground based cloud system for further analysis by a high performance backend to approve the safety or efficiency of the air craft positioning during the landing.  
<https://github.com/TeAmP0is0N/Autonomous-runway-detection>
- **Barbie:** Aug 2019 – Present  
Barbie is a medical diagnostics assistant. It can analyse your symptoms, take into account your lab results and risk factors, and give you an accurate diagnosis with recommendations on which specialist to consult.  
<https://github.com/TeAmP0is0N/barbie>

## CERTIFICATES

---

- **Version Control With Git By Atlassian:** Jul 2019  
<https://www.coursera.org/account/accomplishments/certificate/4CYFPZEYPSND>
- **Web Design For Web Developers:** May 2019 <https://www.udemy.com/certificate/UC-BZ99RGY5/>
- **Linux Tutorials and Projects:** May 2019 <https://www.udemy.com/certificate/UC-U57XSRP4/>
- **Git and GitHub Crash Course:** July 2019 <https://www.udemy.com/certificate/UC-G84LD8TX/>

## PROGRAMMING SKILLS

---

- **Languages:** C, Python, Javascript, C++, SQL, Java      **Technologies:** AWS, Play, React, Kafka, GCE
- **Operating System:** Linux, Windows

## PROFILES

---

- **GitHub** <https://github.com/TeAmP0is0N/>
- **LinkedIn** <https://www.linkedin.com/in/rohit-singh-rathaur/>
- **HackerRank** [https://www.hackerrank.com/rohitrathore\\_m1?hr\\_r=1](https://www.hackerrank.com/rohitrathore_m1?hr_r=1)
- **Stackoverflow** <https://stackoverflow.com/users/10939609/rudra-pratap-singh>
- **HackerEarth** <https://www.hackerearth.com/@rohitsingh5>