



# Vicky Suman

April 6, 1992

11855, F/F Sat Nagar, Karol Bagh, New Delhi 110005

+91 9711404468

jatolia.vicky8@gmail.com

## </> Skills

Python ● ● ● ● ●

Java ● ● ● ● ●

R-Programming ● ● ● ● ●

Sql ● ● ● ● ●

C-Programming ● ● ● ● ●

## Courses

- Regression Analysis
- Statistical Techniques in Data Mining
- Categorical Data Analysis
- Data Structures & Algorithms

## Awards

- Exceptional Performance and Commitment** towards work, **RMS 2019**
- All India Rank 60** in **IIT JAM 2015 MS exam**
- Python, Gold** ● ● ● ● ●
- Problem Solving, Silver** ● ● ● ● ●

## Leadership Position

- 2016 – **Head of Logistic Team**, 36th Mathematics Olympiad, **Mathematics Association, IITB**
- 2016 – **Key Member of Logistic Team and Registration Team** of 35th Mathematics Olympiad, **Mathematics Association, IITB**

## Working Experience

- May, 2018 – Present **Senior Modeling Analyst** **Risk Management Solution, Noida**  
Responsible for build a framework to automate **Cyber Incident Database**.
- \* **Clustering DDoS attacks** into similar groups, where the attacks have similar characteristics.
  - \* Leveraged the APIs framework to use **IBM-Watson Language Translation Service** incorporate in CID automate process.
  - \* Developed the APIs that offer text analysis through **Natural Language Processing** which help to understand cyber-attack related text, entities and keywords.
  - \* Developed the cross-sentence relation extraction model which detects relations among n-entity across sentence by using **Universal Dependency Tree** and **Graph-State LSTM Model**.
  - \* Developed the sentence classifier using **SpaCy Vectors Model** and **Support Vector Machine** to understand the natural language is relevant to cyber-attack information or not.
  - \* Developed the cyber related entity extractor model by using **Conditional Random Field** and **Named Entity Recognition Model** of **SpaCy**, entities like an organization which impacted, the type of attack, magnitude loss of the attack, money related information, date, etc.
  - \* Developed a architecture for **extracting and curating articles text**, in different language's from the different open source's like media blog, RSS feeds, etc.

- June, 2017 – April, 2018 **Data Scientist Trainee** **Phenom People, Hyderabad**  
Concern project were **chat-bot and job search engine**.
- \* Developed a classifier using **Sentence Vectors** and **Support Vector Machine** to understand natural language for a job search engine.
  - \* Leveraged **NLU** in AI-chatbot using **DialogFlow** for job search queries, FAQ's related to companies and chit-chat conversation.
  - \* Assisted in development of **recommendation engine** to come up with most relevant job profile for a particular user based on the user's **browsing history and AI-chatbot** based user interaction.
  - \* Designing an **AI-chatbot personalised** for each user to provide with a **platform to find careers**.
  - \* Developed **architecture** for an AI-chatbot to **store unique user information** based on the browser history.
  - \* Developed architecture to **store entire user conversation** based on **session-ID and unique user-ID** for understanding user experience (UX).

## Education

- 2015 – 2017 **M.Sc. Applied Statistics and Informatics** **Indian Institute of Technology Bombay**
- 2012 – 2015 **B.Sc.(Hons) Statistics** **P.G. D.A.V. College, University of Delhi**

## Academic Project

- Aug, 2016 – Feb, 2017 **Analysis of Optimization in Finance** **Guide Prof. Ashish Das**  
**Objective:** To have some basic ideas in finance involving statistical concepts and to analyze data on shares of different stocks to get an understanding of option and portfolio optimization.
- April, 2016 – June, 2017 **Statistical Analysis of Relation of Accidents in India with Education Qualification of Drivers Involved** **Guide Prof. S. Mukhopadhyay**  
**Objective:** Fitted a 2-way ANOVA model to test whether there's a significant difference in the number of accidents between the 6 groups of states and 3 categories of educational qualification of the drivers and any significant interaction between the two.

January 3, 2020

Vicky Suman