Vicky Suman

👤 April 6, 1992

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</> Skills

🐍 Python	● ● ● ● ●
☕ Java	● ● ● ● ○
Ⓡ R-Programming	● ● ● ○ ○
SQL Server Sql	● ● ● ○ ○
Tableau	● ● ● ● ○

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 – 2017 **Head of Logistic Team**, 36th Mathematics Olympiad, **Mathematics Association, IITB**

2016 – 2015 **Key Member of Logistic Team and Registration Team** of 35th Mathematics Olympiad, **Mathematics Association, IITB**

Working Experience

May, 2018 – Present **Senior Modeling Analyst, Cyber** — Risk Management Solution, Noida
Responsible for build a framework to automate **Cyber Incident Database** and analytic's report for **Cyber Risk Outlook**.

* Developed **Linguistic rule by using dependence parser**, to find the type of incident then relation between the performs the action and receives the action from title of the given article.
* Build **Cloud Outage Incident Database** for top four CSP, map the incident, product, services, data center, region into one schema and generate **analytical report**.
* Build **Cloud Exposure Database**, which contain Revenue Generation, Market Share, Cloud Adoption Rate and Data Center Share.
* **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 sentence classifier using **Bert Language 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 for job search queries, FAQ's related to companies and chit-chat conversation.
* 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.

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.

September 9, 2020   **Vicky Suman**