# Rahul Kumar Sinha

Data Scientist- Reliance Industries

Machine Learning, Deep Learning, NLP,
Python, MongoDB, Elastic Search & Kibana

rsanimesh@gmail.com
https://www.linkedin.com/in/rahul-sinha-08b28035
https://github.com/rsanimesh
Mob: 8356903983

## Summary

- As a Data Scientist, I have 5 years of experience and currently working as Senior Manager at Reliance Industries Limited. My Expertise is in designing, creating and deploying large scale data science applications.

-  I closely work with product, development, deployment team to conceptualize, design, develop and deploy enterprise scale AI/ML based solutions for cloud based applications related to human resourse management systems and services.

- Handled petabytes of data using python, elastic search and kibana for data exploration and visualization.

- Implemented NLP pipelines & algorithms which includes building fuzzy logic based data cleaning pipelines and methods like BOW, TF-IDF, Word2Vec, GloVe, Fasttext & LSTM/GRUs.

- Experience spanning across all phases of Software Development Life Cycle (SDLC) like Feasibility Study, Analysis, Coding, Documentation and Unit testing knowledge

- Hands on experience in NLTK for POS-tagging, Named entity recognition and WordNet-lexical database Text Categorization.

- Worked with supervised learning methods such as Generalized linear models, Ensemble models (random forest), kNN, Naive Bayes, SVM, NN using keras and unsupervised models such as k-means, PCA.

- I have frequently worked with Django and Flask frameworks deployed via Ngrok or Docker on Amazon EC2, Azure VMs, and server-less deployment using Amazon Lambda (Zappa).

- Ability to have a broader perspective to any problem and to visualize different aspects of problems armed with excellent end-user interfacing, analytical thinking ability and initiatives.

## Technical Skills

| | |
|---|---|
| Known Languages: | Python, Java Script, HTML, CSS & JSON |
| Databases: | Basic knowledge of SQL Server & MongoDB, Elastic Search |
| Libraries & Frameworks: | Nltk, Spacy, Scipy, Sklearn, Numpy, OpenCv, Tensorflow, Django, JQuery, Matplotlib, Pandas, Keras, kibana and Bootstrap. |
| Version Control: | Git, SVN |

# Work Experience

| | |
|---|---|
| Dec 2017 - Present | **Reliance Industries Limited** – Navi Mumbai, India<br>Data Scientist<br>Notice Period : 90 Days(Negotiable) |
| Nov 2013 - Dec 2017 | **Tech Mahindra** - Pune, India<br>Data Analyst |

# Projects

Dec 2017 onwards

**HRVA - Human Resource Virtual Assistance**

| | |
|---|---|
| Employer: | Reliance Industries Limited – Navi Mumbai |
| Role: | Data Scientist |
| Technologies: | Deep Learning, Python 3.6, Elastic Search, Kibana and Libraries(Kreas, Numpy, Nltk, Scipy, Sklearn and Pandas) |
| Environment: | Linux, Jupyter Lab, PyCharm, Git |
| Client Company: | Reliance Industries Limited |

Description:

HRVA is a personal virtual assistance for every employee to manage their various task and information in office.

Responsibilities:

- To evaluate different market products like RASA, Dialogflow and find the best fit for short term use case.
- To design, train and deploy machine learning models.

July 2015 Dec 2017

**Entellio - Enterprise Input Output Chatbot**

| | |
|---|---|
| Employer: | Tech Mahindra Pvt Ltd.– Makers Lab – Pune |
| Role: | Software Developer |
| Technologies: | Word2Vec, Python 3.5.2, Django 1.10, MongoDB, MySQL, AIML, CSS, Bootstrap, JQuery and Libraries(Numpy, Nltk, Scipy, Sklearn and Pandas) |
| Environment: | Linux, PyCharm, SVN |
| Client Company: | Tech Mahindra HR |

Description:

Entellio is a self-learning enterprise Chat bot designed to replace today's mobile self-care applications. UVO is the next gen solution for customer interactions, which will enable enterprises to provide a superlative customer experience to their customers. Currently it is being used internally by Tech Mahindra Employee.

Responsibilities:

- Involved in the end to end development of chat bot from conceptualization to production.
- Developing Machine Learning & Artificial Intelligence based brain for in-house enterprise level chat bot.
- Responsible for fixing e-Security and VAPT issues along with maintaining PEP standards

# Education

2009 - 2013  Dr. B. C. Roy Engineering College - Durgapur West Bengal, India

Bachelor of Technology in Electrical Engineering, CGPA: 8.26

2007 - 2009  D.A.V Koylanagar - Dhanbad, Jharkhand, India

Intermediate of Science, Marks: 75%

2007  De-Nobili School C.M.R.I - Dhanbad, Jharkhand, India

Matriculation, Marks: 76.71%

# Honors & Awards

2019  Completed Machine Learning A-Z: Hands on Python & R in Data Science from Udemy

2018  Certified as expert in Python by Plural sight

For successful of completion of Python course at Plural sight with a score of 218 out of 300.

2017  Best Team Award 2017

For successful delivery of UVO, an internal HR chat bot developed using Django, MongoDB and MySQL.

2016  Standing Ovation Award 2016

For being flexible and adept in helping successful delivery of Entellio, a NLP based Chat framework developed using Django.

# Extra-Curricular Activities

2016 - 2017  Kick Boxing Player - Green Belt

Qualified 3 levels of Kick boxing.

# Hobbies

Playing Kick Boxing, Cooking and learning about nutrition and diet.

Developing web applications, coding on website like Hacker Rank, Hacker Earth, Kaggle and Interview Bit.

# Personal Details

Date of birth: May 9, 1991
Gender: Male
Languages: Hindi & English