

# KUSUMAKAR SHUKLA

Bengaluru, India | +91-970 392 6249 | kusumakar.shukla@gmail.com

Linkedin: [www.linkedin.com/kusumakar-shukla](https://www.linkedin.com/kusumakar-shukla)

## Professional Summary

A motivated Data Analyst having around 4 years of experience with deep expertise in data warehousing, process validation and business needs analysis. Proven ability to understand customer requirements and translate into actionable project plans. Dedicated and hard-working with passion for Data Science.

## Skills

Skilled in Python, Pyspark and Kafka, HDFS, Big Data, ETL  
NoSQL database- MongoDB, HBase  
Data Formats- REST, XML, JSON, CSV, EXCEL, YAML  
Dashboarding tools- Grafana, Plotly Dash  
Operating System- Linux, Windows and MacOS

Coding Tools- Eclipse, PyCharm, Anaconda, Jupyter Notebook  
Front End Technologies- React.JS  
Frameworks- Django, Flask, Postman  
Data Science- Supervised, Unsupervised and Deep Learning

## Work History

### Engineering Data Analyst

UnitedHealthCare

Jan 2019 - Current

Bangalore, Karnataka

- Developed a system that predicted the members who had greater chances of getting readmitted into the hospital within a month, helping the organization save the amount that could have been claimed by the providers if the member was admitted post discharge.
- Developed a dashboard using tableau that predicted the member disenrollments from the organization. By predicting members who would disenroll, we could prevent them not only from switching to another competitor, but also provided them information about plans. The project is being extensively used by the organization and is helping to maintain the reputation in the healthcare industry.
- Accelerated the SSRS report migration process from 2012 to 2016, by automating the complete manual process using Selenium, thereby not only completing the project one month prior to the deadline, but also saved time which was utilized on other projects. This helped team earn various bravo awards from the organization.
- Earned cash awards for delivering an hour session about Machine Learning pipelines in our internal university. This brought our data science team into limelight.

## Software Engineer

Trianz

**Client- Netapp India Pvt. Ltd. (Onsite)**

**Sep 2016 - Jan 2019**

Bangalore, Karnataka

- Automated the testing of big data microservices using Python. Being a part of platform team, ensuring that data was properly transformed was extremely important, because most of the other teams relied on the data the team produced. Hence, took the responsibility of automating the entire testing process and developed a framework to help team utilize it to test the other services.
- Automated data collection for testing by writing Restful webservice using Flask framework in Python. Because flask is a light webframework, there were hardly any downtimes during data collection process.
- Boarded the team to use Django framework. This framework is very powerful and is used by most of the companies such as Instagram by facebook, Youtube, Dropbox.
- Developed a resilient web based tool, eventually came to be known as the "Data Integrity Project". This dashboard gave an indepth view of the performance of all the microservices running in Netapp's ecosystem. Information such as the amount of data ingested, number of processing failures helped the developers understand the critical reasons for processing delays and break downs.
- Built a dashboard using open source technologies such as grafana and influxdb. This dashboard projected the processing lags in kafka queues. Hence, helped developers revamp the big data services and fasten data processing tasks.
- Initiated an artificial intelligence based tool, focussing on natural language processing using NLTK package. The project aimed at automating test case generation by reading application logs. I spearheaded the project and could achieve the accuracy of 71%.
- Was exposed to OpenShift, container application platform to test the big data services deployed in containers.

## Education

**Bachelor of Engineering: Computer Science**

**Jul 2016**

**Annamalai University**

- Member of Computer Science Society
- Received Sri Padatchiyar Scholarship by Govt. of TN twice for scoring highest grades
- Volunteered at Youth Red Cross and National Service Scheme
- Received Scholarship by NIIT for winning the aptitude test across different regions in Tamil Nadu Passed with distinction, scored 8.78/10 (aggregate)

**ISC-Class 12: Computer Science**

**Mercy Memorial School**

**May 2012**

Member of Parliament- Head Boy

Coursework in Physics, Maths, Chemistry and Computers

Scored 91%

**ICSE-Class 10**

**May 2010**

**Mercy Memorial School**

Scored with 96.6% in Computer Science Stream

## **Certifications**

Algorithmic Toolbox by Coursera Credential ID: D5LSZE7LUAKF

## **Examinations**

International English Testing System (IELTS) Reading- 7.5,Listening-7.5 Writing-7 Speaking-7.5

