# Bikram Kumar Agrawal

Senior Technical Lead at EY

To have an impact on the organization by utilizing my skills to the fullest, Taking the job with a sense of responsibility and making contribution by learning and working productively for the vibrant and challenging world of Corporate and Global business of IT.

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**D.O. B** : 30-June-1988

9+ years of experience as a Lead, Developer, Tester and Problem Solver - including requirement gathering, grooming team for development, software debugging, conducting daily scrum for projects involving Tier-1 customers like Westpac, Intel, Anthem HealthCare, Gilead Sciences…

* Proficient in building data pipelines using Bigdata tech stacks.
* Good Knowledge and experience in deep learning algorithms such as Artificial Neural network (ANN), Convolutional Neural Network (CNN) and Recurrent Neural Network (RNN), LSTM and RNN based speech recognition using Keras
* Experience in executing data-driven solutions to increase efficiency, accuracy, and utility of internal data processing.
* Very strong in Mathematics (Probability, Statistic, Linear Algebra) and machine learning frameworks.
* Have good knowledge in visualization tool Power BI.
* Strong experience in writing applications using python using different libraries like Pandas, NumPy, SciPy etc
* Strong experience in All Hadoop and Spark ecosystems include Hive, Sqoop, Flume, HBase, SparkSQL, Spark Streaming.
* Extensive experience on coding in Python.
* Experience in Waterfall and Agile methodologies.
* Very good experience and knowledge in Cloud Technologies like AWS, Azure
* Developed automation framework to reduce repetition work.
* Proficient the ETL (Extraction, Transformation & Load) techniques, Dimensional Schema Models (Star, Snow-Flake, OLAP).
* Strong Technical knowledge on SQL.
* Programming Languages : Python
* Bigdata Tools : Hadoop, Apache Spark, MapReduce, Hive, HDFS, Sqoop, Flume, Impala, Oozie
* Statistical Methods : Hypothetical Testing, Bayes Law, PCA, T-SNE, Cross Validation, Time Series Analysis
* Machine Learning : Classification, Regression, Supervised, Unsupervised, Deep Learning, NLP, Sentiment Analysis, Computer Vision
* Databases : Oracle, Teradata, HBase Cassandra, PostgreSQL
* Reporting : Power BI
* Data Analysis Tools : Python (NumPy, SciPy, Pandas, Keras, Sklearn, NLTK, Matplotlib, Seaborn, ggplot2)
* Agile Tool : JIRA, Azure DevOps
* Cloud Technologies : AWS, Azure
* Search Tools : Elastic Search
* Others : Informatica, Dell Boomi, Veeva Vault, Veeva CRM, Basic – Docker, Kubernetes, Control M, Bit Bucket, Gerit,

Jenkins.

# Project Details –

## Project/ Duration : EY -> Leading Bank in the world– Project Gage- (Oct-2020 to Till date)

Requirement : Develop a data validation system for the banks

Role : Team Lead

Key Skills : Spark, Python, Hive

Details : Reconcile the data as per the business logic using Python and Spark, Store the result in Hive, requirement gathering, URS, FRS document creation

## Project/ Duration : EY -> Australia Banking Giant– Data Architecture Platform – (16-Mar-2020 to Oct-2020)

Requirement : Develop a home loan application system for leading bank of Australia.

Role : Team Lead

Key Skills : Cassandra, Postgres, Machine Learning, Spark, Python, Azure

Details : Developed a data model using Cassandra and Postgres, categorize customers into groups based on home load needs, track the entire home loan journey of a user using Python, Sparks

## Projects/ Duration : HCL -> Intel – Intel Cloud Validation (Oct-2018 to Feb-2020)

Requirement : To validate Intel RSD Cloud platform for different workloads

Role : Team Lead

Key Skills/ Packages : Deep Learning, Apache Spark Hive, Python, Machine learning, Power BI, Docker, Elastic Search, AWS, Kubeflow

Details : Stress cloud stack with Spark and Hive, test all the machine learning library in cloud stack, build CI/CD model to run and test code,

Deploy CMS application using Docker and Kubernetes, Image Recognition using Deep Learning, Clustering cutomers using Unsupervised

Learning, Develop a bigdata pipeline using AWS, Migrate data to Elastic Search.

## Project/ Duration : Infosys -> Anthem Healthcare – Modular Program (June-2018 to Sep-2018)

Requirement : Modular Program is integration platform to ingest data from different systems and process the data into different zones.

Role : Technical Lead,

Key Skills/ Packages : Machine Learning, Apache Spark Hive, Python, Power BI

Details : Develop Machine Learning model to detect malicious activity, Build a recommendation system. Migrate data from Teradata to BigData, Create Pyspark scripts to process the data, Store metrics in Hbase, create power bi reports.

## Project/Duration : TCS -> Gilead Sciences – Worker Data Hub (Jan-2016 to June-2018)

Requirement : Migration of legacy based system into Hadoop platform and generate insights.

Role : Developer

Key Skills/ Packages : Apache Spark, Kafka, Flume, Hive, Sqoop, HBase, Impala, Oozie Oracle sql and pl/sql. Elastic Search, AWS

Details : Developed Sqoop jobs, used pyspark to process the data, get the data from source system using Flume, Configured different hive tables, design workflows using ozzie, develop custom reports

## Project/ Duration : TCS -> Gilead Sciences – Information Request Management System (Jan-2015 to Dec-2015)

Requirement : Develop a content management application for standard response documents

Role : Developer

Key Skills/ Packages : IRMS, Veeva Vault, Veeva CRM, Dell Boomi

## Project/ Duration : TCS -> Gilead Sciences – Enterprise Quality Management Platform (May-2014 to Dec-2014)

Requirement : Develop a new learning management platform to undergo training

Role : Developer

Key Skills/ Packages : SQL server, Oracle PL/SQL

## Project/ Duration : TCS -> Intel– Corporate Inventory Business Repository (March-2011 to Dec-2013)

Requirement : Develop a data warehousing application for the flow of inventory across different manufacturing sites.

Role : L2/L3 Production Support Lead

Key Skills/ Packages : Unix Shell Scripting, Teradata SQL, Informatica Power Center, Oracle SQL and PL/SQL

# Oraganizations

## EY : March 2020 to Present

HCL Technologies : Oct 2018 to March 2020

Infosys : June 2018 to Oct 2018

TCS : Dec 2010 to Jun 2018

## External Certification:

* + Oracle Certified Professional as PL/SQL Developer(11g)
  + Oracle Certified Associate as Database Administrator (11g)
  + Teradata 12 Certified Professional
  + Veeva Vault Certified Admin
  + Dell Boomi Certified Developer

## Awards/Recognition:

* + TCS Star of the Month, TCS GEMs, HCL Value Contribution

## Trainings:

* + Azure ML
  + Docker, Kubernetes

**Personal Information**

* Present Address : Apt-5125, Tower-5, Prestige Lakeside Habitat, Gunjur Village, Varthur, Bangalore-560087
* Permanent Address : AT/PO/Dist.:- Deogarh, State:- Odisha, PIN:-768108
* Marital Status : Married
* Nationality : Indian