

Shashank Kashyap

IBM Certified in Data Science | Data Analyst Lead at EY | Aspiring ML Expert



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Lucknow

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SUMMARY

6+ years experienced data analytics professional possessing a prolific track record of driving business growth in consulting with IT automations with Python, application management and data analysis. Able to identify hidden insights of huge data sets which are structured, semi-structured and unstructured. Adept at performing deep dive to gain actionable insights to benefit key stakeholders & facilitate sound decision-making while generating an error-free report. Proficient in data mining and data visualization to deliver compelling business value to clients & successfully execute projects. Thorough and meticulous Data Analyst passionate about helping businesses succeed. Possessing strong technical skills rooted in substantial training as an engineer. Aspire to become a Data Scientist and ML expert.

KEY SKILLS

Data Analysis

Data Visualization Techniques

Data Manipulation

Data Mining

IT Automation with Python

NLP Techniques

EDUCATION

Master of Science in Machine Learning and Artificial Intelligence

May '21 - May '23

Liverpool John Moores University, England (LJMU)

Liverpool, EN

Thesis topic "Movie Recommender System (MovRec) " using NLP presented to LJMU.

Executive Post Graduate Programme in Machine Learning and Artificial Intelligence

May '21 - Jun '22

International Institute of Information Technology Bangalore (IIITB)

Bengaluru, IN

B.Tech. in Electronics and Communication Engineering (74.15%)

Jul '12 - Jul '16

IEC College of Engineering and Technology

Greater Noida, IN

The major project on **WiTricity** was selected in Top 50 projects under AKTU 2016 Batch.

Intermediate (83.25%)

Jul '10 - Jul '12

Lucknow Public Inter College

Lucknow, IN

High School (80.67%)

Jun '09 - Jun '10

Lucknow Public School

Lucknow, IN

KEY PROJECTS

Domain: NLP | Mar'23

About: Submitted and presented my thesis on the topic, **Movie Recommender System (MovRec)**, which relied on natural language processing (NLP) and utilized TF-IDF and cosine similarity metrics. The system was designed to suggest movies to users by applying both content and collaborative filtering techniques.

Domain: NLP | Jan'22

About: Built a model that can **automatically classify customer complaints** based on the important keywords that the ticket mentions.

Domain: Banking | Aug '21

About: Successfully identified the type of customers using Exploratory Data Analysis (**EDA**) who are less likely to default the loans which eventually will profit the business by sanctioning loan to only those who will be able to repay it.

Domain: Finance | Jul '21

About: Using Matplotlib and seaborn library in **Python** analyzed and concluded which investment type, country and sector is best to invest in, which will help the company in taking better business decisions.

Domain: Telecom Industry | Aug '20

About: Able to identify list of customers who are likely to churn using Logistic Regression.

Domain: Sales | Jun'20

About: Built a linear and multiple linear regression model to predict Sales using an appropriate predictor variable using scikit-learn and statsmodels.

Domain: Finance | Apr '20

About : Used **web scraping** with BeautifulSoup on Yahoo Finance, extracted the real time price of any stock. This idea struck me when I started to invest in **Dogecoin**.

Project Management
Leadership & Training
Communication and Presentation
Machine Learning Techniques

TECHNICAL SKILLS

Tools/Languages:

Python (numpy, pandas, psycopg2, scikit-learn, BeautifulSoup, NLTK, FastAPI), SQL, Linux, Power BI, Excel, Python scripting, Amazon Sagemaker, S3, EC2, AWS RDS, AWS Glue, Putty, WinSCP

Database:

PostgreSQL, Oracle SQL, MS SQL, MySQL, DBeaver

Web/Application Servers:

Tomcat, Apache, IIS Server

Data Visualization:

Seaborn, Matplotlib, MS Excel, Power BI, Tableau, Apache Superset

CERTIFICATIONS

- **Executive Post Graduate Programme in Machine Learning and Artificial Intelligence | IIITB, 2021-22**
[Verification Link](#)
- **Python 101 for Data Science | Powered by IBM Developer Skills Network**
[Verification Link](#)
- **Machine Learning with Python | Great Learning**
[Verification Link](#)
- **"Using Python for Automation" by Madecraft and Sam Pettus | LinkedIn Learning**
- **The Complete SQL Bootcamp 2020: Go from Zero to Hero | Udemy**
- **Blockchain and Bitcoin Fundamentals | Udemy**

VOLUNTEER EXPERIENCE

- I have worked as an Ed Support Fellow (ESF) in Make a Difference (MAD), an NGO which mobilises young leaders towards ensuring equitable outcomes for children in need of care and protection. after getting selected out of 750 ASVs across India.
- Worked as CSR volunteer in TCS-Maitree, Pune.

PROFESSIONAL EXPERIENCE

Data Analyst, Team Lead

May '22 - Present

Ernst & Young LLP (EY)

New Delhi, IN

LIVE Dashboards Reporting, API Integration, IT Automations with Python, Operations and Maintenance

- Currently working with Ministry of Environment, Forest and Climate Change (**MoEFCC**) on **PARIVESH** project.
- **PARIVESH** is a web based, role based workflow application which has been developed for online submission and monitoring of the proposals submitted by the proponents for seeking Environment, Forest, Wildlife and CRZ Clearances from Central, State and District level authorities.
- Automated the database reports using **Python scripting, SQL and Power BI** which saved hours of effort daily.
- Integrated the automated data flow from PostgreSQL to MS SQL database via **API** using Python and SQL with cronjob in place.
- Designed, executed & monitored the key metrics, reports and dashboards to drive business transformation through data analytics using **Power BI and Apache Superset**.
- **Leading** and training a **team of 5+ people** to resolve production tickets and data analysis as O&M and Data Analytics Lead.
- Received appreciation from **NIC** and **EY** for outstanding performance on analysis presented to **Joint Secretary**.
- Worked with Open Network for Digital Commerce (**ONDC**) in the development of Network Health Monitoring Dashboard.

Production Specialist

May '20 - May '22

Tata Consultancy Services (TCS)

Gurgaon, IN

Production Activities, IT Automations along with Incident Management and Change Management

- Worked with **Deutsche Bank** as a Production Specialist.
- Engaged with the development team to enhance monitoring scripts so as to resolve the issues before consumer raise any incidents by 50%.
- Automated the backlog reports using **Python scripting** which saved one hour effort daily.
- Coordinated with data engineers for extracting and loading data from multiple data sources using **SQL**.
- Administered and monitored the key metrics to drive business transformation.
- Encouraged and guided the freshers in the team to proactively monitor the tickets.
- Received multiple Star of the Month awards for outstanding performance.

Technical Support

Jan '17 - Apr '20

Tata Consultancy Services (TCS)

Pune, IN

Responsible for Incident Management and Change Management (ITSM)

- Worked with **PNC Bank** as a Linux and Windows Administrator.
- Operated Web Application, Apache, Tomcat, WebLogic & IIS Servers.
- Worked as a part of both Incident Management and Change Management (ITSM).
- Represented and engaged various teams like (Unix, DBA, Storage, Networking) in order to get the the critical production issues fixed.
- Administered and documented the deployment steps, monitoring set up and reports to drive business transformation.
- Received multiple Star of the Month awards for outstanding performance.

EXTRA-CURRICULAR ACTIVITIES

- Won many prizes in Singing competition at school, college and corporate level.
- Shortlisted in Top 10 Singers in Lucknow Mahotsav.
- Trained over 200+ students in Python and Data Visualization so as to boost their technical skills and helped them in preparing for the placements.
- Performed Nukkad Natak and Theater Plays as a part of TCS-Maitree, Drama Club.
- Won EY Social Champions Awards 2022 (**Passion Beyond Work**)
- Love acting, singing, playing keyboard and guitar, below are my social media handles.
<https://www.youtube.com/shashankashyap08>
<https://www.instagram.com/learnwithshashank/>