

AJAY SHUKLA

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EDUCATION

LIVERPOOL JOHN MOORES UNIVERSITY

M.Sc in Data Science

LIVERPOOL

2021 - 2023

INSTITUTE OF ENGINEERING AND TECHNOLOGY

Master of Computer Application (MCA)

LUCKNOW, UP

2015 - 2018

PROFESSIONAL CERTIFICATES

→ Introduction to Machine Learning (IIT Kharagpur)

→ Natural Language Processing (IIT Kharagpur)

→ Introduction to Machine Learning (IIT Madras)

→ Data Science for Engineers (IIT Madras)

→ Deep Learning (IIT Kharagpur)

→ Azure Data Factory (Durgasoft)

WORK EXPERIENCE

AGRIBAZAAR

AVP - Data Scientist

DELHI

2022 - Present

- Collaborate closely with cross-functional teams to identify requirements, design solutions, and deliver software products.
- Responsible for earth science remote sensing and model data in decision making.
- Architect and design machine learning projects (Crop yield, Crop loss) to help farmers.
- Engineered an english-to-sql query converter using LLM language capabilities for enhanced data retrieval for MIS team.
- Mentor junior engineers, providing guidance and support in technical projects and skill development.

BOEING

Real Time Software Engineer

BANGALORE

2021 - 2022

- Develop automated pipelines to test and analyze any model of aircraft and try to reduce test and analyze time from 6 months to a few hours. Used technologies are Python, CICD.
- Automate deployment, scaling, and management processes using Docker containers and Kubernetes orchestration.

FINEZZA

SDE - Data Scientist

BANGALORE

2018 - 2021

BSA/Precisa

- Develop real time data processing pipelines using kafka, Logstash and Elasticsearch.
- Created reports for management, sales and technical team - increasing team efficiency of all employees by 20%.

Reporting Tool

- Responsible for combining, cleaning, formatting and storing data into warehousing.
- Responsible for creating Random forest models to check loan approval with 85% accuracy.
- Develop ETL pipelines using python, Airflow, MySQL, MongoDB and Elasticsearch.
- Develop distributed observability platforms using ELK for reporting. Reports are used by management, sales, credit and tech team - increasing team efficiency of all employees by 15%

LEADERSHIP EXPERIENCE

BOEING

Scrum Master

BANGALORE

2022 - 2022

- Adoption of scrum across development teams.
- Discussion & collaboration between product owner and development teams.

SKILLS & INTERESTS

Skills: Leadership, Mentoring, Communication

Tools: Distributed Computing, Automation, Azure, Python(Numpy, Pandas, SKLearn, Tensorflow), Statistics, Machine Learning, NLP, Deep Learning, MySql, MongoDB, ETL, Airflow, Power BI, Tableau, ELK, Docker, CICD.

Models Built: Linear Regression, Logistic Regression, Decision Tree, Random Forest, KNN, AdaBoost, XGBoost, Clustering