

Kumar Saurav Jha

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EDUCATION

The George Washington University

Master of Science, Data Science

Cabinet chairperson in the [Data Science Association](#)

Washington, DC
(expected May 2025)

University of Pune

Bachelor of Engineering, Electronics and Telecommunication

First Class with Distinction

Extracurriculars: Chairman IEEE Students' Council, Editor SRUJAN (college) magazine

India
(May 2019)

PROFESSIONAL EXPERIENCE

Consultant, Deloitte India LLP

Oct 2022 - July 2023

- Designed and implemented an automated data validation process using Power BI for *Shell Global Solutions Inc.*, eliminating the two-hour daily manual effort by directly integrating SQL scripts into the dashboard and enabling real-time tracking of system replication metrics.
- Developed a Power BI solution that automated daily refreshes via Power BI Gateway and set up an email distribution system, delivering real-time snapshot reports to clients.

Data Analyst, Accenture Solutions Pvt Ltd

Sep 2019 - Oct 2022

- Automated SAP S/4HANA tasks, including Shipping Point Creation, Fixed Asset Management, and Project Setup for Cargill Inc, reducing manual efforts by 35% and cutting processing time by 50%.
- Developed SQL-based migration scripts with object-oriented design for transitioning legacy data to SAP S/4HANA, improving data processing efficiency by 40%.
- Designed a payment inquiry gateway for *Nationwide Mutual Insurance*, integrating automated text and email alerts, leading to a 20% increase in customer engagement and satisfaction.
- Worked closely with business stakeholders to define data requirements, improving the accuracy of KPIs and providing actionable insights for the operations team.

PROJECTS

EzFlow.ai | Python - Independent

-ongoing

- A product tailored for individuals without coding experience to build machine learning projects effortlessly; automating data preprocessing, model training, and result visualization equips users with predictions and detailed summary reports for enhanced insights.

Sentiment Analysis of Indian General Elections 2024 | Python - Independent

Jun 2024

- Implemented Hugging Face transformers, specifically utilizing the "*distilbert-base-multilingual-cased-sentiments-student*" model, to analyze sentiment in Reddit posts and comments, achieving detailed sentiment classification.
- Leveraged the Reddit API (PRAW) to scrape and preprocess over 75,000 posts and comments, followed by data cleaning and tokenization, and visualized sentiment distributions and engagement metrics

Music Recommendation Engine on Neo4j | Python - Academic

Oct 2023

- Built a content-based song recommendation system on the graph database; Utilized KNN and created genre & artist-based relationships for improved recommendations
- Used Cypher Query Language to implement APOC and GDS libraries

Strategic Customer Segmentation and Demand Prediction | Python - Academic

Nov 2023

- Segmented customers based on their spending behavior by employing Hierarchical clustering
- For daily and weekly demand prediction, the XGBoost model was used; it provided a practical framework for effective inventory management, proactive adaptation to market changes, and targeted marketing.


TECHNICAL SKILLS

Languages: Python, R, SQL, and CQL (Cypher Query Language), HTML, CSS, JavaScript

Databases: MySQL, MongoDB, and Neo4j

Tools: Excel, Tableau, Power BI(PowerQuery, DAX), Spark, PyTorch

Product Development: Agile Methodology, HP ALM, Git, and Flask

Certification: IBM Machine Learning Specialization , AWS Certified Developer - Associate 