Ashish Sharma

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Professional Profile

Results-driven Data Science professional with over 2.5 years of experience as a Workday Techno-Functional Consultant and a strong academic foundation in computer science and data science. Currently pursuing a Master's in Data Science at the University of East London, I specialize in machine learning, predictive modeling, data analytics, and automation to deliver impactful business solutions. Proven expertise in building high-accuracy predictive models (e.g., 97% accuracy in fraud detection), designing custom Workday integrations, and creating data visualization dashboards to support decision-making. Successfully implemented 20+ end-to-end absence plans, automated workflows using Python and Selenium, and resolved 50+ technical tickets monthly, resulting in improved efficiency and enhanced user satisfaction. With a passion for problem-solving, strong stakeholder management skills, and a focus on driving data-driven decision-making, I am eager to contribute to innovative projects in the tech industry.

Key Skills

- **Artificial Intelligence:** LLMs, Natural Language Processing, Neural Networks
- **Machine Learning:** Classification, Regression, Clustering, Deep Learning, Time Series Forecasting
- **Data Analytics:** Exploratory Data Analysis (EDA), Visualization, Statistical Modelling, Data Mining
- **Programming & Tools:** Python (TensorFlow, PyTorch, Pandas, NumPy, Scikit-learn), SQL, R, Tableau
- **Big Data & Automation**: Big Query, Jupyter Notebooks, Workflow Optimization

Professional Experience

Technology Intern   June 2024 – June 2024
Bright Network   London, UK
- Created roadmaps for 6 months to improve user engagement by 15% using machine learning and project management techniques.
- Enhanced platform engagement by 10% through data analysis.

Workday Tech-Functional Consultant   July 2021 – January 2024
Hitachi Vantara   Pune, India
- Implemented 20+ end-to-end absence plans, ensuring seamless integration and compliance with company policies, resulting in a 30% improvement in absence tracking

accuracy.

- Spearheaded company merger activities, boosting system performance by 7% through strategic planning and execution.
- Accomplished technical support analysis for ongoing quality issues and acted as a subject matter expert for 3 modules by conducting in-depth investigations.
- Improved Customer Satisfaction Score by 23% by providing comprehensive support for Core HCM functions, managing employee data, payroll, and benefits administration for 20+ companies.
- Streamlined documentation to enhance work efficiency by 25% through concise and organized documentation practices.
- Crafted over 25 SOP manuals and conducted training sessions for team members and end users to ensure smooth operations.
- Collaborated with cross-functional teams to identify system improvements and resolve a minimum of 50+ tickets monthly, optimizing module efficiency.
- Built automation scripts using Python and Selenium, eliminating manual labor completely for redundant tasks.
- **Awards:** Rookie Star (best performer in the first year of joining the company), Silver Award (best performer in the fiscal quarter).

Data Analysis Intern　　　　　　　　　　　　　　　September 2019 – January 2020
IT Networkz Infosystems Pvt. Ltd.　　　　　　　　　　　　　　　　　　Nagpur, India
- Conducted EDA on large datasets, optimizing strategies by 15%.
- Automated data transformation pipelines, saving 20% in manual effort.

Leadership

Course Representative, MSc Data Science, University of East London
- Elected to represent the MSc Data Science cohort, liaising between faculty and students to address concerns and ensure smooth communication.

Team Mentor, Hitachi Vantara
- Trained and mentored new hires, improving team performance by 10% and fostering a collaborative work environment.

School Head Boy
- Served as a leader and representative of the student body, demonstrating strong organizational and communication skills.

Education

Master of Science in Data Science　　　　　　　　　　　January 2024 – May 2025
University of East London　　　　　　　　　　　　　　　　　　　London, UK
- Secure **Distinction** in Data Ecology, Quantitative Data Analysis, Spatial Data Analysis and Advanced Decision and Predictive Modelling modules.
- Elected as **Course Representative** for the class; and Co-curricular scholar for

event and project management.

Bachelor of Engineering in Computer Science   August 2017 – May 2021
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, India   Nagpur, India
- Graduated with a 9.24/10 CGPA, recognized as the **University Topper**
- **Copyright Holder** for Smart Vertical Garden and Online Test System

Key Projects

Credit Card Fraud Detection
- Addressed the challenge of identifying fraudulent credit card transactions by developing a machine learning model to classify transactions, improving detection accuracy to 97%.
- Streamlined data preprocessing and balanced datasets to enhance prediction reliability, ensuring consistent performance across varied transaction data.

Multi-PDF Retrieval Agent
- Solved the problem of slow data extraction by creating a Python-based agent powered by LLMs to retrieve and summarize content from multiple PDF documents.
- Improved user experience by reducing data retrieval time by 40%, enabling faster decision-making.

Covid-19 Mortality Data Analysis
- Tackled the need for actionable insights on global COVID-19 deaths by analyzing mortality data to uncover key patterns and trends.
- Designed dynamic Tableau dashboards, empowering policymakers with real-time visual insights for effective decision-making.

Cancer Prediction using CDC Indicators
- Addressed the need for early cancer detection by building a predictive model using CDC health indicators, achieving a 90% accuracy rate.
- Leveraged feature selection and optimization techniques to improve model performance and ensure reliability in predictions.

EDA-Agent
- Solved time inefficiencies in exploratory data analysis by automating the process with Python, reducing analysis time by 70%.
- Generated statistical summaries and visualizations, providing decision-makers with comprehensive insights at a faster pace.

Chat-with-your-Data
- Tackled accessibility challenges for non-technical users by developing an AI chatbot using LLama3-8b-Instruct for interactive data queries.
- Increased user engagement by 40% through intuitive, real-time responses and improved data interaction.

Additional Information

- **Technical Tools:** Workday Studio, Tableau, Python, SQL, Jupyter Notebooks
- **Interests:** Exploring AI-driven solutions, process optimization, & mentoring teams