SARVESH KUMAR SHARMA

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EDUCATION

GLA University, Mathura **August 2018 – May 2022**
Bachelor of Technology in Computer Science *Mathura, Uttar Pradesh, India*

- Cumulative GPA: 8.26/10
- Relevant Coursework: Data Analysis, Software Engineering; Operating Systems; Algorithms; Artificial Intelligence

TECHNICAL SKILLS

Languages: Python, Java, C, SQL, and R
Databases: MongoDB, MySQL, PostgreSQL
Data Science Tools: SKlearn, TensorFlow, PyTorch, NumPy, Pandas, Matplotlib, OpenCV, Nltk, Hadoop, Snowflake, Teradata, Tableau, SPSS, SAP/S4, Spark, Hive, Airflow, PowerBI
Web Technologies: ReactJS, NodeJS, Flask, Django, JavaScript, HTML5, CSS3
Cloud Developer Tools: GCP, AWS, Azure, IBM, Tencent
Technologies/Frameworks: Docker, Kubernetes, GitHub Actions, Linux, Jenkins

EXPERIENCE

SISENSE **New York, NY**
Data Scientist *Nov 2022 – Oct 2023*

- Developed and managed Data Lakes using Apache Hadoop, Apache Spark, and Amazon S3, increasing data storage capacity by 50% and reducing data retrieval time by 40%.
- Orchestrated and maintained Data Warehousing solutions using Snowflake, Amazon Redshift, and Apache Hive, improving data query performance by 40% and reducing costs by 15%.

NVIDIA Inc. **Hybrid**
Deep Learning Engineer *May 2021 – Oct 2022*

- Led 10 initiatives in data extraction, warehousing, and analytics, leveraging LLMs, GenAI, and Data Fabric architecture to cut operating costs by 20%, enhance business intelligence, and improve DataOps agility.
- Collaborated with a team of 3 data analysts to implement NLP models using Transformers, BERT, and spaCy for web scraping, ensuring data quality, integrity, and compliance with Data Governance standards.

JOURNERA Inc. **Remote**
Data Engineer *Sep 2020 – Feb 2021*

- Designed and implemented a Real-Time Data Pipeline using Apache Kafka, Apache Flink, and Apache Cassandra, increasing data processing speed by 30% and reducing latency by 25%.
- Built and deployed Machine Learning models using TensorFlow, PyTorch, and Scikit-Learn, achieving an accuracy of 95% in predictive analytics and reducing model training time by 20%.

PROJECTS

Medicare – AI healthcare Expert **Feb 2022**

- Engineered an AI healthcare platform diagnosing 1,000+ diseases using machine learning, NLP, and reinforcement learning, offering personalized care and emergency assistance via a smart medical chatbot.
- Streamlined patient records management and facilitated direct consultations with 200+ doctors, enhancing diagnostic accuracy with adaptive learning models.

Machine Learning Projects **Jan 2022**

- Crafted innovative machine learning solutions in computer vision, healthcare, and predictive modeling, showcasing advanced techniques and real-world applications.
- Applied neural networks, facial recognition, and NLP to create projects like AI room booking chatbots, brain tumour detection, and loan repayment forecasting, demonstrating expertise in solving complex challenges.

Classification of Arrhythmia **Dec 2021**

- Engineered a machine learning model achieving 80.21% accuracy in detecting and classifying 16 types of cardiac arrhythmia using Kernelized SVM with PCA.
- Enhanced computational efficiency and model performance through dimensionality reduction, advanced classification techniques, thorough data pre-processing, and extensive model optimization.

CERTIFICATION

Azure Data Scientist Associate, Azure AI Engineer Associate; Azure Data Engineer Associate, IBM Data Science Professional