

Vipin Singh Negi

Data Engineer | AWS & Streaming Specialist | Data Science Trainer | Big Data Trainer

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Professional Summary

Strategic Big Data Engineer and Certified Data Science Trainer with 12+ years of experience designing scalable data platforms, building cloud-integrated ETL pipelines, and mentoring professionals across Asia. Skilled in Spark, Kafka, AWS, and Power BI. Known for combining deep technical execution with outcome-driven teaching. Currently pursuing an M.S. in Data Science from Liverpool John Moore's University. Open to engineering or academic roles that blend innovation and mentorship.

Core Competencies

- **Big Data Tools:** Hadoop, Spark, HDFS, Hive, HBase, Sqoop, Flume
- **Real-Time & Analytics:** Kafka, Power BI, Python (Pandas, Matplotlib, Seaborn)
- **Machine Learning:** Regression, Trees, Clustering, Scikit-learn
- **Programming:** Python, Java, PHP, Scala
- **Cloud:** AWS (EC2, S3, RDS, IAM), Linux Automation
- **Networking:** Cisco Routers/Switches, VPN, ADDS, DHCP, OSPF, EIGRP
- **Databases:** MySQL, SQL Server, MongoDB

Professional Experience

Big Data Trainer

NIIT China | Oct 2022 – Present

- Delivered 100+ hours of hands-on training in Hadoop, Spark, Power BI, Kafka, and Flume to international professionals.
- Designed enterprise-grade labs and curriculum for Big Data and Streaming analytics.
- Mentored 1000+ learners on distributed computing, cloud platforms, and pipeline design.
- Received high learner satisfaction scores consistently above 95%.

Big Data Developer

Yue Infotech Pvt. Ltd., Dehradun | Nov 2018 – Sept 2022

- Developed Spark-based data pipelines processing 1M+ daily records from multiple sources.
- Optimized HDFS and Hive performance with custom partitioning and tuning.
- Built fault-tolerant ETL flows integrating Sqoop, HBase, and Flume.

- Reduced batch processing time by 40% via job parallelism and memory optimization.

Database & Network Administrator

DeeVin Infotech | Mar 2016 – Oct 2018

- Administered SQL Server/MySQL databases, improving backup strategies and tuning queries.
- Implemented VPN and secure remote access for distributed teams.
- Conducted security audits and aligned infrastructure with compliance needs.

Network & Database Administrator

NIIT Dehradun | Dec 2011 – Feb 2016

- Maintained campus-wide VPN, ADDS, DHCP, and SQL-based intranet apps.
- Led server upgrades and resolved infrastructure bottlenecks.
- Managed user roles and access controls across multiple departments.

Projects & Highlights

- **Streaming Analytics Dashboard:** Built a Kafka-to-Power BI dashboard to monitor network logs in real time (2023).
- **Training Analytics Platform:** Developed a student performance tracking dashboard using Python + Power BI.
- **Cloud-Based ETL Automation:** Automated ingestion using AWS Lambda and S3 triggers to update Hive tables.

Education

- **MS** – Data Science – Liverpool John Moore’s University
- **MBA** – Information Technology – Amity University, Noida

Certifications

- **IIIT Bangalore** – Certified Data Engineer (2025)
- **IBM** – Big Data & Hadoop Certified
- **Microsoft** – Technology Specialist
- **Cisco** – CCNA (Routing & Switching)
- **Oracle** Certified
- **GNIIT** – Software Engineering
- **NIIT** – Hardware & Networking (GNP)

Languages

- **English** (Fluent)
- **Hindi** (Native)

Academic Profile Summary

Experienced Data Science Instructor with deep expertise in designing curricula, delivering interactive technical workshops, and mentoring learners globally. Specialized in Big Data tools like Spark, HBase, Kafka, and data visualization platforms like Power BI. Strong believer in outcome-driven pedagogy and industry-aligned learning.