

Big Data Engineer Professional Program



Become a professional Big Data Engineer capable of designing, building, and managing large-scale data pipelines, data lakes, and real-time streaming systems across modern big data ecosystems.

Job Oriented Program



Trained by IIT Alumnus & Industry Experts

6 Months with Internship



ONLINE LIVE SESSIONS

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**Limited
Intake Only**
6 Months Intensive
Training program

Curriculum

1 Big Data Foundations

- Introduction to Big Data Concepts (Volume, Variety, Velocity, Veracity)
- Hadoop Ecosystem Overview (HDFS, YARN, MapReduce)
- Introduction to NoSQL Databases (MongoDB, Cassandra)
- Basic Linux Commands & Shell Scripting

2 Distributed Systems

- Hadoop HDFS, Hive, Pig, Sqoop Basics
- Apache Spark (Core Concepts) – RDDs, DataFrames, SparkSQL
- Spark with Python (PySpark)
- Batch Data Processing with Spark

3 Data Storage & Processing

- Data Lakes vs Data Warehouses
- Apache Hive, Apache HBase, Cassandra Deep Dive
- AWS S3, Azure Data Lake Storage
- Hands-on: Building a Data Lake
- Apache Kafka Fundamentals
- Real-Time Data Streaming with Spark Streaming
- Introduction to Apache Flink and Kinesis (AWS)
- Real-time Analytics Project

Curriculum

Continued

4 Big Data Pipelines & ETL Engineering

- Building ETL Pipelines using Apache Airflow
- Data Orchestration and Workflow Scheduling
- Data Quality & Data Validation Techniques
- Hands-on: End-to-End Data Pipeline Project

5 Project & Career Preparation

- Final Project Options:
- Build a Streaming Data Platform (Kafka + Spark Streaming)
- Create a Data Lake with Batch/Streaming ingestion
- Real-time Recommendation Engine
- Big Data Engineering Resume Building
- Interview Prep: Data Engineer Questions
- Certification Path Guidance:
- Google Professional Data Engineer
- AWS Certified Data Analytics – Specialty

Note:

We are developing real-world applications within our company that demand true industry-grade project expertise. As part of this exclusive program, you will be trained directly on real-time projects that are actively used in the industry today. This is a rare, one-time opportunity to work on genuine, live projects under professional mentorship – not just simulations or dummy tasks. Seats are extremely limited to ensure personalized guidance and maximize your career impact.

WE ARE HIRING

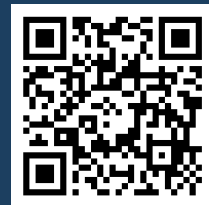
JOIN OUR PROFESSIONAL TEAM

Open Positions :

- AI & ML Engineer
- Ai Agents & LLM's Developer
- Administration Staff
- Marketing Staff
- Business Analyst
- Customer Support
- Full Stack Developer
- Mobile App Developer
- GeoScientist
- Energy Sector Data Analyst
- Data analyst & Data science
- Geo-Tech Engineer
- Blockchain Developer
- Senior Software Engineer



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OUR PROJECTS

We are a team of IIT alumni

- **Multi AI-Agents**
- **Blockchain Technology**
- **GeoSciences**
- **Energy/oil sector & Renewable Energy**
- **Smart Grid Environmental Data Prediction Models**
- **Product & Service based**
- **Mobile app Developer (Hybrid/cross Platform)**

Remote Roles

Qualifications :

- ✓ Experience in Real Time work/ Projects
- ✓ Good communication skills
- ✓ Collaborate with our team
- ✓ Quick learner and open to feedback
- ✓ Proficient in Mutli cloud & tech tools
- ✓ Hybrid Model



Apply Now!