Praxis Tech School

POST GRADUATE PROGRAM IN DATA ENGINEERING

9-month | Weekend | Online

Knowledge Partners

CHUBB

genpact Transformation Happens Here

LatentView Actionable Insights • Accurate Decisions

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What are the different roles and profiles in Data Engineering?

Data Engineer

A data engineer lays down the foundation for data management systems to ingest, integrate & maintain all the data sources. The person has knowledge of databases & understands the needs of the business & its long-time data scalability needs.
Tools: SQL, XML, Hive, Pig, Spark etc.

Database Administrator

A database administrator has extensive knowledge of traditional as well as new age NoSQL & Cloud databases & ensures that the data generating & the data ingesting systems are up & running in a live business scenario.

Enterprise Data Architect

The enterprise data architect is responsible for visualizing & designing an organization's enterprise data management framework that describes the processes used to plan, specify, enable, create, acquire, maintain, use, archive, retrieve, control, & purge data. She has extensive knowledge of database tools, languages like Python, Java & Scala, & distributed systems like Hadoop.

ETL Engineer

The ETL engineer is responsible for maintaining the veracity of the data in the source & target systems. They ensure that the right kind of tools, permission & system pipelines are in place for smooth transfer of the data.

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Online Weekend Classes

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Program Highlights

250+hours of immersive learning online live classes

Program co-created with **Genpact, LatentView Analytics & CHUBB**

Expert faculty pool of academicians and industry practitioners

Migrating & managing a Business System on the Cloud

Exciting campus placement opportunities

Membership to the **Praxis Global Alumni Network**

Topics Covered

Working with traditional Data (Trimester 1)

- Concepts of Data Warehousing & RDBMS
- Data Management with Python
- Exploratory Data Analysis
- Data Visualisation using Tableau
- SQL Programming

Engineering Platforms for Big Data (Trimester 2)

- Streaming Data Analysis with Spark
- Big Data ecosystem and NoSQL on Hadoop
- Introduction to Machine Learning
- Python Functional Programming
- Administer Data Pipelines using Apache and Airflow

Running Enterprise Business on Cloud (Trimester 3)

- Data Security and Privacy
- Application orchestration- Dockers and Kubernets
- Cloud Data Lake using AWS & Azure for Enterprise Data Management
- Applied Machine Learning using MLOPs
- Capstone Project

Tools and Techniques

MS Azure, SQL, EDA, Python, Hadoop, Machine Learning with MLOps, Data Pipelines with Apache Airflow, MongoDB, Spark Analytics

Campus Placements

The Praxis Placement Program is a structured process committed to creating quality placement opportunities. An impressive roster of recruiters come to Praxis each year. On an average, for every Data Scientist, 4 -5 Data Engineers are required in an organization. Thus there are plenty of opportunities for aspiring Data Engineers.

Recruiters

Eligibility Criteria

Graduates with B.Tech, BCA/MCA or B. Sc/M. Sc Computer Science/IT

Minimum 50% or 5 GPA in 10th, 12th and Graduation

Selection Procedure

Online Application

Profile Evaluation

Personal Interview

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