

New Batch Launch - Nov 2024

PG Certification in Data Engineering

A Comprehensive Program

Applications Open!





"Continuous learning is the minimum requirement for success in any field."

Author, Educator & Speaker

SkilD is an outcome-focused leading ed-tech platform for working professionals.

We are devoted towards creating a growth ecosystem to assist professionals in unlocking their talent and seizing opportunities at every stage of their careers.

About SkilD Programs

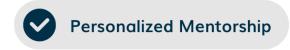
SkilD aims to help working professionals in their bid to learn, grow and move up in their career through a wide range of programs designed to improve their expertise.

Developed and delivered by professional trainers & industry experts, this program culminates the best-in-class methodologies of both conceptual & practical approaches.

SkilD Highlights













Program Highlights

Here's a glimpse of your next 6 months with us!



Intensive 6 month program with hands on learning



Exhaustive curriculum with all 3 **Clouds covered**



Build your work portfolio while you learn with us live



1:1 Career Guidance on successful completion



Get certified by Microsoft, AWS & Google



Guest Lectures by Industry leaders in Data Engineering

150+ Hrs

of synchronous learning

25+ Projects

& case studies to choose learn 30+ Tools

covered with a walkthrough

Our Faculty





AMIT MISHRA Lead Data Engineering Trainer, Big Data & Cloud Leader



DEEKSHA SHARMA Data Engineering Trainer, Cloud & DevOps Leader



DEVESH PANDEY Senior Tech Lead, PayTM ML/AI & GenAI Leader



ASHOK PADMANABHAN Corporate Consultant & Trainer, ETL & Data Architecture Expert



DIPANSHU SHEKHAR Data Engg. Manager, Mastercard Big Data, ETL & AWS Expert



Manager, Decision Point Analytics Analytics & Data Solutions Expert



10x Impact

Built on the Silicon Valley philosophy of producing 10X **Engineers**, we take pride in our unique pedagogy...

INDUSTRY APPROVED

Highly relevant & future proof curriculum to empower learners

100% COMPLETION

Personalized progress tracking for meeting set objectives

EVALUATIONS

Frequent quizzes, assignments, tests & assessments

GLOBAL PEDAGOGY

Case-study based lessons bring our programs at par with global standards

OUTCOME BASED

Get the industry's best support in achieving the desired outcomes

10x Advantage for 10x Engineers!

- **Get Official Certification** Vouchers from Microsoft, AWS, etc
- Lifetime job/event 3. updates for all SkilD **Programs**

- **Get Cloud Access to work** on Capstone Projects for an extra edge
- Access the closed 4. community of 250+ techleaders from all domains

Tools Covered



Get a complete mastery on tools like...







































Program Curriculum

Prerequisites

Basics & Refreshers (For beginners)

- Fundamentals of MS Excel
- Fundamentals of SQL
- Fundamentals of Python

Commencement

Introduction to Data Engineering

- Data Engineering Evolution & the Future
- Introduction to Cloud Data Engineering & Architectures
- Data Analytics & Security

Week 1 & 2 Advanced Python for Data Engineering

- Data Structures & Algorithms
- Control Structures & Functions
- Pandas, Numpy, Matpotlib, Seaborn & more...

Week 3

Linux, Shell Scripting & Computer Systems

- OS & Linux
- Bash Scripting
- Computer Networks

Week 4

Master & Build - I

- Practice
- Resolve Queries
- Mini Assignment

Week 5 to 8

Database Management Systems

- DBMS & RDBMS
- MySQL
- NoSQL MongoDB





Program Curriculum

Week 9

Master & Build - II

- Practice
- Resolve Queries
- Mini Assignment

Week 10 & 11

Cloud Computing

- Intro to cloud platforms AWS, Azure & GCP
- Container App Dev & Orchestration using Docker & Kubernetes
- Basics of Extraction, Transform & Load models

Week 12 to 14

Big Data

- Hadoop & HDFS
- Cassandra & SQOOP
- Databricks & Snowflake

Week 15 & 16

Data Warehousing

- · Storage & Warehousing
- Hive & Datalakes
- Extraction & Migration

Week 17 & 18

Batch & Realtime Data Processing

- · Batch Data Processing
- · Realtime Data Processing
- Apache Spark & PySpark

Week 19

Master & Build - III

- Practice
- · Resolve Queries
- Mini Assignment

Program Curriculum

Week 20

Workflow Management with Apache Airflow

- Workflow & Automation
- Apache Airflow & Druid
- Azure Synapse

Week 21 & 22

Basics of DevOps

- Intro to CI/CD
- Basics of Version control & Git
- Kubernetes & Docker

Week 23 & 24

Monitoring & Management

- Quality & Validation
- Visualization
- Debugging

Week 25

Capstone Project

• Choose from our pre-approved set of 25+ projects & create your own proof of work under the mentorship of industry mentors

Project Samples



Here's a glimpse of what you will be able to do after 6 months with us...

Capstone 1

Capstone 2

Big Data Pipeline for E-commerce Personalization

Build a big data pipeline that processes customer data at scale to deliver personalized product recommendations on the platform. Use Apache Hadoop for distributed data storage and Spark for data processing. Implement recommendation algorithms using machine learning libraries in Spark and integrate the output into Amazon S3 for fast retrieval.

Real-Time Financial Data Processing for a bank

Develop a high-frequency trading data pipeline for processing and analyzing real-time stock market data. Use Apache Kafka for capturing real-time data streams from financial markets, apply Apache Flink for complex event processing (CEP), and store the processed data in AWS Redshift for realtime analysis. Provide insights to assist in trading strategies.

Capstone 3

Capstone 4

Building a Real-Time Ad Analytics Platform for a Social Media platform

Create a real-time data pipeline to analyze platform's ad performance. Use Apache Kafka to collect streaming ad data, process it using Apache Spark Streaming for real-time metrics, and store the processed data in Google BigQuery for deeper analysis. Build an interactive dashboard using Tableau for monitoring ad performance across various demographics and geographies.

Fraud Detection Data Pipeline for a FinTech giant

Create a data pipeline to detect & prevent fraudulent transactions. Use Apache Kafka to stream transaction data in real-time. Process this data with Apache Flink to apply detection algorithms and identify suspicious patterns. Store the results in BigQuery, where you can perform detailed analysis and generate alerts for investigation. This pipeline will help enhance the fraud detection capabilities & secure transactions





Hiring Companies

Qualify the toughest interviews & work at...



























Applications Open for Nov'24 Cohort!

THANK YOU!

If you are ready to take the next leap in your 10x journey... OR If you have any questions...

Do not hesitate to scan the QR below & reach out to us on the given coordinates.

Apply Now

www.skild.co.in



Or chat with us...

