THESKILL GARAGE

Data Analytics & Visualization

## COURSE BROCHURE

TheSkillGarage

Who we are?

At TheSkillGarage, we believe in changing lives, one skill at a time. Our practical-first, hands-on approach to training, will help you start or accelerate your career in tech.

We primarily help those who are new to tech transition seamlessly to a career in tech.

We are positioned as a catalyst to continuously meet the growing market demand for seasoned and diverse IT professionals in the digital product and technology space.

Our candidates undergo intensive practical and skillset training to enable them serve as consultants, contract, freelance, part-time and full-time staff for start-ups, digital agencies and established companies across different industries globally.
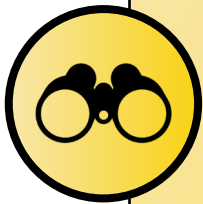
Our Vision

Create a global community where career help in digital is accessible across all verticals and tech domain.

Our Mission

Start or accelerate career progression in the digital space by delivering relevant knowledge with commensurate work experience.

Our Purpose

Build a global community of digital experts that posses the digital skills that matter.

Our Pillars

COLLABORATIVE LEARNING

- Cross-functional teams
- Live Group work
- Brainstorm sessions

PRACTICAL WORK EXPERIENCE

- Industry standard tools
- Hands-on training
- Live projects
- Practice Sessions

BUILD AN ECOSYSTEM

- Interactions with Alumni
- Mentorship
- Networking
- On-the-job support

Unlock Your Future with Tech!

Dear Aspiring Techies,

In today's dynamic world, technology is not just an industry; it is a language, a movement, and a tool that's reshaping every facet of our lives. From the devices we use to the ways we communicate, learn, and innovate, technology plays an integral role. And you have an unprecedented opportunity to be part of this transformation!

At TheSkillGarage, we believe that the future is written by those equipped with the knowledge, skill and passion to shape it. We are not just talking about coding or algorithms, but a holistic understanding of technology and its myriad applications. The tech landscape is vast, filled with opportunities that stretch as far as your aspirations.

Whether you're completely new to tech or looking to refine your existing skills, our courses are designed to empower you with the tools, guidance, experience and confidence you need. Here is why you should consider taking the leap:

Global Opportunities: Tech transcends borders. With these skills, you are not limited to opportunities in one region or one country. The world becomes your playing field!

Continuous Innovation: The tech industry is always evolving. Dive in, and you will be part of an ever-growing community of innovators and problem solvers.

Empowerment: The ability to understand and harness technology gives you the power to create, to change, and to make a meaningful impact.

Growth & Flexibility: Tech offers diverse roles, from business analysis to product management, product ownership, UX design, DevOps, project management, data analytics, and beyond. There is a niche for everyone, aligning with your unique strengths and passions.

Our commitment at TheSkillGarage is to guide you on this exhilarating journey. With world-class educators, a supportive community, and cutting-edge resources, we ensure your learning path is engaging, experiential, relevant, and tailored to your aspirations.

Embrace the future. Ignite your potential. Let's embark on this tech journey together and build a brighter, smarter, and more connected world!

Warmly,

Michael Akpan
CEO, TheSkillGarage

Course Highlight

Class 1

Introduction to Excel for Data Analytics

- Introduction to Excel; Excel Interface
- Copy and Paste (Paste Special)
- Formatting (Basic & Conditional)
- Name Range & Cell Referencing (Relative, Absolute & Mixed)

Class 2

Data Manipulation & Data Cleaning

- Data Cleaning
- Formula and Functions

Class 3

Data Modelling in Excel

- VLOOKUP & XLOOKUP
- INDEX, MATCH, INDEX & MATCH

Course Highlight

Class 4

Data Manipulation and Data Storytelling in Excel

- Pivot Table
- Pivot Charts

Class 5

Excel Reports and Dashboard
- Building an interactive dashboard in Excel

Class 6

Introduction to Power BI

- Introduction to Power BI

- Understanding the Power BI Workflow

- Concept of Primary and Foreign Keys.

- Concept of Facts and Dimension

- Connecting Power BI to Data Sources

Course Highlight

Class 7

Power Query in Power BI
Data Modelling in Power BI
Creating Relationships in Power BI

- Data Transformation
- Creating Facts and Dimension Tables)
- Building Data Models in Power BI

Class 8

DAX (Data Analysis Expression) I
DAX (Data Analysis Expression) II

- Creating Measures

Class 9

Data Manipulation and Data Storytelling in Power BI

- Building your interactive Dashboard in Power BI

Course Highlight

Class 10

Introduction to Power BI Service

- Publishing Reports (Sharing and Collaboration within an organization, Publish to web)
- Data Alerts and Scheduled Refresh
- Power BI Apps, Power BI Embedded

Class 11

Introduction to SQL.

- Introduction to Data & Databases
- Database, Data warehouse & Data Lake
- Basic CRUD Operations

Class 12

Writing Basic SQL Statement

- SELECT, SELECT DISTINCT, LIMIT, ORDER BY
- WHERE Clause (Comparison Operators)
- LIKE Operator & Wildcard Characters

Course Highlight

Class 13

Basic SQL Operation

- Aggregate Functions (COUNT, SUM, AVG, MIN, MAX), GROUP BY
- HAVING Clause, Aliases.
- Case Statement

Class 14

Joins

- Inner Join, Left & Right Join, Full Outer Join
- Unions, Intersect, Except

Class 15

Advanced SQL

- Subqueries,
- Temporary Tables and CTEs
- Views

Course Highlight

Class 16

Advanced SQL

- Window Functions
- Stored Procedures and Functions

Class 17

Integration and Practical Applications

- Integrating Excel, SQL, and Power BI for a comprehensive data analysis workflow

- Real-world case studies and practical exercises, Project work and implementation of learned concepts

Final Week

Capstone Project and Recap

- Project Briefing

Skills You'll Learn

	Statistics		**Big Data Technologies**
	SQL and Database Management		**Industry Specific Analysis**
	Data Cleaning Techniques		**Critical thinking Skills**
	Data Strategies		**Problem Solving Framework**
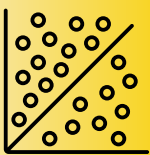
Sample Projects

Engage in domain-specific projects as part of our Data Analytics curriculum.

Medical Imaging and Predictive Analysis in Healthcare	**Fraud Detection in Finance**
Credit Risk Management	**Precision Farming in Agriculture**
Student Performance Analysis in Education	**Data Analytics in Retail, Energy, Agriculture**

Gain practical insights and real-world experience in the application of data analytics across industries.

Extended Mentorship & Support

We will be providing on-the-job support on a subscription basis. The support may take many forms, such as providing training, troubleshooting technical issues, or offering advice on how to use the product or tool more effectively.

Enrolment & Fees

To Enroll in our Data Analysis Course

Visit our website,
www.theskillgarage.com

Call our mobile number:

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