



CYBER HOOKS

A C A D E M Y

Dedicated To Excellence

Data Science

Session 2025-2026



Introduction



Welcome to Cyberhooks Academy

At Cyberhooks Academy, we provide expert data science training to help individuals and businesses unlock the power of data. Whether you're looking to analyze trends, build predictive models, or optimize processes, our courses offer the skills and tools needed to excel in the world of data science. Equip yourself with the knowledge to turn data into actionable insights and drive success today!





Modules of the course

- Introduction of Data Analytics
- Advance Excel & Google Sheet
- VBA & Macro's
- SQL & GitHub
- Power Bi
- Python & Web Scrapping
- Programming Of Data Science
- Data Analysis With Machine Learning (EDA)
- Deep Learning & Natural Language Processing (NLP)



Advance Excel & Google Sheet

Microsoft Excel is the industry leading spreadsheet software program, a powerful data visualization and analysis tool.

- 200+ Functions:
- Aggregation
- Math's
- Logical Function
- Statistical
- Lookup & Reference
- Date & Time Function
- Basic Concept Open, Close, Delete Row. Column & Cell Operation.
- Cell Formatting. Inserting Shapes, Pictures, Smart Arts. Excel Layouts.
- Knowing Print & Print Preview
- Cell Referencing Relative Cell Referencing.
- Mixed Cell Referencing. Absolute Referencing.
- Name Manager Defining Name Naming a Range/ Cell
- Naming a Range using Formulas (using Offset, Count, CountA)
- Data Manipulation Formulas PivotTables
- Data Exploration Sorting and Filtering What-If Analysis
- Data Import and Cleaning Visualization
- Charts
- Conditional Formatting
- Reports & Dashboard's Projects and Assignments



VBA & Macro's

VBA in excel to create custom user-generated functions and speed up manual tasks by creating automated processes.

- Working with Cells and Ranges
- Set Cell Value Read Cell Value
- Loop Through Range
- Data Manipulation
- Copy Data Insert Rows
- Conditional Operations
- IF Statement Switch Statement
- Loops and Iterations
- For Next Loop For Each Loop Do While
- Do Until
- Functions and Procedures
- Inbuilt Functions
- How to Use Excel Function In VBA UDF(User Defined Function)
- Error Handling:
- On Error Resume Next Go to line
- Arrays
- Mailing Automation



SQL & GitHub

Structured Query Language, known as SQL or simply “sequel”, is essentially a language that communicates through databases.

- Relational Databases and tables Keys in DBMS
- SQL Queries:- DDL, DML, DCL, and DCL .
- Constraints & Alter table.
- SQL Operators Arithmetic Operators Wildcard Operators
Alternative Quote Concatenation Operator Comparison
Operator Logical Operators
- Working with Data Creating a table Inserting data Updating
existing data Deleting data
- Modifying table structure
- Sorting data
- Data Manipulation Aggregating data Filtering groups Joining
tables Combining result sets
- SQL Functions Mathematical Functions Date functions
- String functions Numeric Functions Aggregate functions
window Functions
- SQL Programming Stored Procedures Triggers Transactions





Power Bi

Collection of software services, apps, and connectors that work together to turn your data into interactive insights.

- Getting Started with Power BI
- Introduction Installing Power BI Connecting to Data Sources
- Transformation And Query Editor
- Data Loading and Querying
- Data Cleaning and Transformation
- Data Modelling
- Relationships
- DAX (Data Analysis Expressions) Hierarchies
- Creating Reports Visualization Types Formatting Visuals Interactive Features
- Advanced Data Analysis Advanced DAX Functions Time Intelligence Statistical Analysis
- Dashboards and Sharing
- Creating Dashboards Sharing and Collaboration
- Power BI Service Overview Workspaces
- Data Refresh
- Integration and Extensibility
- Power BI Integrations Custom Visuals
- Administration and Security



Python & Web Scrapping

Python is an interpreted, object-oriented, high-level programming language with dynamic semantics.

- Getting Started with Python : Python Installation Syntax and structure Variables and data types
- Control Structures :
- Conditional Statements
- Loops(For, While, Nested Loops)
- Data Structures :
- Lists and Tuples String Operations Dictionaries and Sets
- Functions :
- Defining Functions
- Lambda Functions and Scope
- Error Handling :
- Exceptions(Try, except, finally, and Raising exceptions)
- Object-Oriented Programming (OOP) :
- Classes and Objects Inheritance and Polymorphism
- File Handling
- Reading and Writing Files Working with CSV and JSON
- Modules and Packages :
Importing Modules Working with Packages Math and OS Modules
- Data Cleaning and Pre-processing :
- Handling missing data
Removing duplicates
- Data normalization and scaling
- Libraries : Scikit-Learn
TensorFlow Keras Matplotlib
Seaborn Pandas NumPy
- Advanced Python Topics :
- Decorators Generators
- Date and Time Modules
Calendar Modules
RegexLibrary
- Python MySQL Connectivity



Programming for Data Science

"Master Programming for Data Science at Cyberhooks Academy to gain essential coding skills for data analysis and visualization."

- Data Science and its importance
Data science workflow
- Basic statistics and probability
- Tools and technologies: Python, Jupyter Notebook
- Python programming basics Data structures and algorithms
- Introduction to libraries: NumPy, Pandas Basic data manipulation and cleaning
- Principles of data visualization
Visualization tools: Matplotlib, Seaborn Creating effective visualizations Storytelling with data





Data Analysis With Machine Learning (EDA)

"Learn Data Analysis with Machine Learning (EDA) at Cyberhooks Academy to uncover insights, visualize patterns, and make data-driven decisions using advanced machine learning techniques."

- Data cleaning and preprocessing
 - Handling missing data and outliers
 - Descriptive statistics
- EDA techniques and tools
- Supervised vs. unsupervised learning
 - Regression algorithms: Linear Regression, Logistic Regression
- Classification algorithms: K-Nearest Neighbors, Decision Trees
- Model evaluation and validation techniques





Deep Learning & Natural Language Processing (NLP)

"Master Deep Learning and NLP at Cyberhooks Academy to build intelligent systems that understand and interact with human language."

- Ensemble methods: Random Forest, Gradient Boosting
- Support Vector Machines
- Clustering algorithms: K-Means, Hierarchical Clustering
- Dimensionality reduction: PCA, LDA
- Introduction to neural networks
- Deep learning frameworks: TensorFlow, Keras
- Convolutional Neural Networks (CNNs) Recurrent Neural Networks (RNNs) and LSTM
- Text pre-processing and feature extraction
- NLP techniques: Tokenization, Lemmatization, Stemming Sentiment analysis, Topic modelling
- Advanced NLP models: Transformers, BERT



Our Training Partners



EC - Council

EC-Council offers globally recognized cybersecurity certifications, including CEH, CND, and ECIH, to help professionals advance in the field.



N.S.D.C

NSDC is a government-backed organization in India focused on enhancing skill development and vocational training to boost employability.



Skill India

Skill India is an initiative by the Indian government aimed at providing youth with skills training to enhance employability and drive economic growth.



Nasscom

NASSCOM is India's trade association for the IT and BPO industries, driving growth and innovation.

Job Assistance Training

Business Communication:

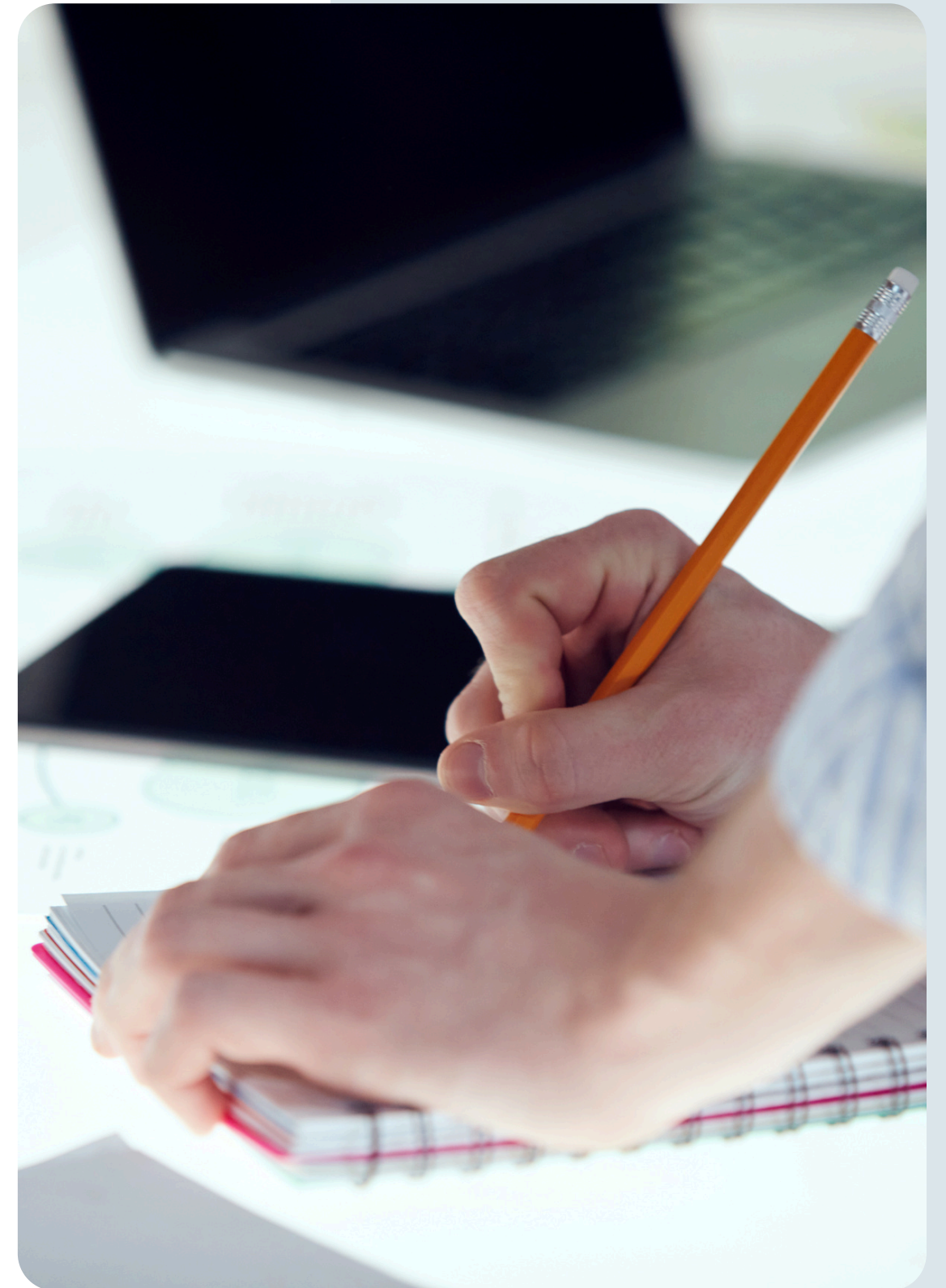
- Business communication involves sharing information within and outside the organization to achieve goals and foster relationships.
- It includes written, verbal, and digital methods, requiring clarity, listening, and adaptability.

Personality Development:

- Personality development involves improving character, behavior, communication skills, and emotional intelligence for personal and professional growth.
- It focuses on building self-confidence, enhancing relationships, and developing a positive mindset.

Interview Training:

- Interview training helps you prepare for job interviews by improving communication, answering techniques, and showcasing your strengths.
- It focuses on building confidence, handling common interview questions, and mastering professional body language



Our Placed Students



Lakshya
Jonwal



Vikram
Rathod



Vikram
Rathod



Arpan
Dewadi



Sahil
Maan



Anuj



Our Hiring Partners



Get in Touch with us.



"Get in touch with us today to learn more and take the next step toward success!"



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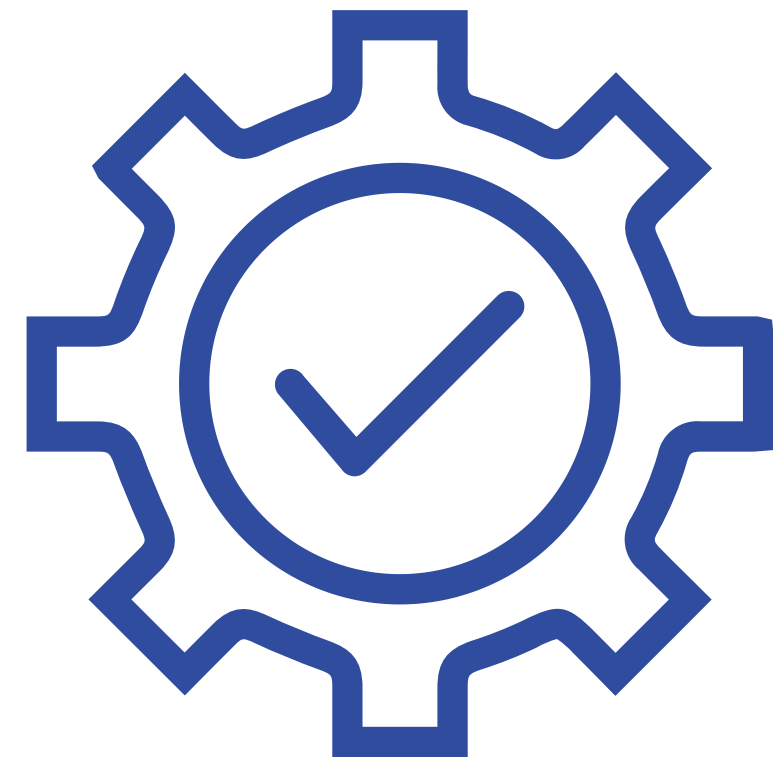
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*Join us for
Better Future*

