REDEFINE CAREER

Begin your journey toward your dream career transition at this exceptional launching pad!

ABOUT US

Welcome to Redefine Career, an organization founded by a group of accomplished alumni from some of the top educational institutions in India, including IIT Patna, IIM Calcutta, and ISB. Our team shares a common passion for empowering individuals to achieve their full potential and reach new heights in their careers.

At Redefine Career, we recognized that there was a significant gap between education and industry. Many people struggled to find meaningful employment despite having impressive academic credentials. That's why we set out to create a platform that could bridge this gap and provide individuals with the tools, resources, and guidance needed to redefine their careers.

Our team is committed to providing high-quality training programs, mentorship, and internship support to individuals seeking to upgrade their skills and gain practical experience in their chosen field. We understand that every person's journey is unique, and that's why we offer personalized guidance to help you achieve your career goals.

Whether you're a recent graduate or a seasoned professional looking to pivot your career, Redefine Career is here to support you every step of the way. Join our community today and let us help you redefine your career.

WHAT MAKES REDEFINE CAREER DIFFERENT FROM OTHERS?

Mentorship by Industry Experts

At Redefine Career, mentorship by industry experts is a key component of our career development programs. We connect individuals with mentors who have extensive experience in their chosen field and who can provide personalized guidance and support to help them achieve their career goals.

Real time data live projects

We offer real-time data live projects as part of our training programs to provide individuals with practical experience working with data. Our projects are designed to simulate real-world scenarios and give individuals the opportunity to work with industry-standard tools and technologies.

Live Online Classes

We believe that a session is fruitful only if the students and mentors are able to engage in discussions rather than “recorded videos”. Live online classes as part of our training programs provide individuals with flexible and accessible learning opportunities. Our live online classes are led by industry experts who use interactive tools, such as live polls, quizzes, and breakout sessions, to keep students engaged and help them master the course content. We also provide access to recordings of the classes for students to review or catch up if they miss a session.

7 day refund, No questions asked

We understand that choosing the right training program can be a significant investment of time and money. That's why we offer a 7-day refund policy with no questions asked.
If for any reason you're not satisfied with our training programs, you can request a refund within the first 7 days of the program start date.

1-1 mentorship

At Redefine Career, we offer one-on-one mentorship as part of our training programs to provide individuals with personalized guidance and support. Our mentors are experienced professionals with a deep understanding of their field, and they work closely with our students to help them achieve their career goals.

Short Batches

Our short batches are designed to be highly focused and intensive, with hands-on learning experiences that help individuals build practical skills quickly. We also keep our class sizes small to ensure personalized attention and engagement.

Placement Assistance

Placement assistance as part of our training programs to help individuals transition to new careers or advance in their current field. Our placement assistance includes resume building, interview preparation, and job search guidance. We work with our network of industry partners to connect our students with relevant job opportunities

Building Blocks for Data Visualization and Analytics (Pre - Learning)

Introduction to Bridge Course & Analytics Software

BASIC EXCEL

- Excel Environment
- Key Terminologies
- Short Cuts
- Key Functionalities
- Copy-paste-paste special
- Formatting & conditional Formatting
- Basic Excel Functions - Types of Functions Relational operators
- Data Sorting, Filtering and Data Validation
- Understanding of Name Ranges
- Pivot tables - Charts
- Basics of charts

RDBMS & SQL (BASICS)

- Basic RDBMS Concepts
- Introduction to Relational Database management system. Why SQL?
- A glance at the tool and its advantages and disadvantages
- Understanding Schema, ERDs and Metadata
- Introduction to MS SQL Server
- What is SQL — A Quick Introduction
- Installing MS SQL Server for windows Introduction to SQL Server Management Studio
- Understanding basic database concepts
- Getting started

INTRODUCTION TO ANALYTICS & DATA SCIENCE

- What is analytics & Data Science?
- Business Analytics vs. Data Analytics vs. Data Science
- Common Terms in Analytics
- Analytics vs. Data warehousing, OLAP, MIS Reporting
- Types of data (Structured vs. Unstructured vs. Semi-Structured)
- Relevance of Analytics in industry and need of the hour
- Critical success drivers
- Overview of analytics tools & their popularity
- Analytics Methodology & problem-solving framework
- Stages of Analytics

Data Visualization & Analytics (Excel)

Quick Recap of Basics of Excel

DATA MANIPULATION USING FUNCTIONS

- Descriptive functions
- Logical functions: IF, and, or, not
- Date and Time functions
- Text functions
- Array functions
- Use and application of lookup functions
- Limitations of lookup functions
- Using Index, Match, Offset, reverse vlookup

DATA ANALYSIS AND REPORTING

- Data Analysis using Pivot Tables - use of row and column shelf, values and filters
- Difference between data layering and cross tabulation, summary reports, advantages and limitations
- Change aggregation types and summarization
- Creating groups and bins in pivot data
- Concept of calculated fields, usage and limitations
- Changing report layouts-Outline,compact and tabular forms
- Show and hide grand totals and subtotals
- Creating summary reports using pivot tables

DATA VISUALIZATION IN EXCEL

- Overview of chart types — column/bar charts, line/area , pie, doughnut charts, scatter plots
- How to select right chart for your data
- Creating and customizing advance charts - thermometer charts, waterfall charts, population pyramids

OVERVIEW OF DASHBOARDS

- What is dashboard & Excel dashboard
- Adding icons and images to dashboards
- Making dashboards dynamic

CREATE DASHBOARDS IN EXCEL - USING PIVOT CONTROLS

- Concept of pivot cache and its use in creating interactive dashboards in excel
- Pivot table design elements - concept of slicers and timelines
- Designing sample dashboard using Pivot Controls
- Design principles for including charts in dashboards - do’s and dont's

BUSINESS DASHBOARD CREATION

- Management Dashboard for Sales & Services
- Best practices - Tips and Tricks to enhance dashboard designing

Data Visualization & Analytics (SQL)

Quick Recap of RDBMS & Basic SQL

DATA BASED OBJECTS CREATION (DDL COMMANDS)

- Creating databases and tables. Understanding data types
- Inserting values into the table
- Altering table properties
- Introduction to Keys and constraints
- Creating, Modifying & Deleting Tables
- Create Table & Create Index statements
- Drop & Truncate statements — Uses & Differences
- DDL Statements with constraints
- Import and Export wizard to get the data in SQL server from excel files or delimited files

DATA MANIPULATION (DML COMMANDS)

- Data Manipulation statements
- Insert, Update & Delete statements
- Select statement — Sub setting, Filters, Sorting. Removing Duplicates, grouping and aggregations etc
- Operators, predicates and built in functions(Top, distinct, Limit)
- Where, Group By, Order by & Having clauses
- SQL Functions — Number, Text, Date, etc
- SQL Keywords — Top, Distinct, Null, etc
- SQL Operators - Relational (single valued and multi valued), Logical (and, or, not), Use of wildcard operators and wildcard characters, etc

ACCESSING DATA FROM MULTIPLE TABLES USING SELECT

- Append and Joins
- Union and Union All — Use & constraints
- Intersect and Except statements
- Table Joins - inner join, left join, right join, full join
- Cross joins/cartisian products, self joins, natural joins etc
- Inline views and sub-queries & it's types
- Optimizing your work
- Update operations with and without joins

ADVANCED SQL

- Creating table copy and database copy
- Views
- Transactions
- Stored Procedures in SQL
- Crud operations using stored procedures
- Window functions in SQL
- Miscellaneous Topics: Rollup and cube

Building Blocks for Python and ML (Pre-Learning)

PROGRAMMING BASICS

- Programming Basics
- Introduction to programming Computer programs and business use
- Database and its requirement in the software applications.
- What is an IDE - Integrated development environment.
- Different programming languages, High level vs Low level languages,
- Language translators - Compiler and Interpreter, Why syntax rules?
- Programming basics: variables, INC rules: Identifier Naming Conventions, Data Types, Operators.
- Control flow statements: Conditional statements and Loops.
- Functions and UDFS.
- Logic building and Pseudo codes.

INTRODUCTION TO BASIC STATISTICS

- Introduction to Statistics
- Measures of central tendencies
- Measures of variance
- Measures of frequency
- Measures of Rank
- Basics of Probability, distributions
- Conditional Probability (Bayes Theorem)

INTRODUCTION TO MATHEMATICAL FOUNDATIONS

- Sets & Functions
- Introduction to Linear Algebra
- Matrices Operations
- introduction to Calculus
- Derivatives & Integration
- Maxima, minima
- Area under the curve

PYTHON FOR DATA SCIENCE

- Introduction to installation of Python
- Creating arrays and initializing
- Introduction to Python IDE's(Jupyter,/Ipython)
- Reading arrays from files
- Concept of Packages - Important packages
- Special initializing functions
- NumPy, SciPy, scikit-learn, Pandas,
- Slicing and indexing Matplotlib, etc
- Reshaping arrays
- Installing & loading Packages & Name Spaces
- Combining arrays
- Data Types & Data objects/structures (strings,
- NumPy Maths Tuples, Lists, Dictionaries)
- List and Dictionary Comprehensions Overview of Pandas
- Variable & Value Labels — Date & Time Values
- What is pandas, its functions & methods
- Basic Operations — Mathematical/string/date
- Pandas Data Structures (Series & Data Frames)
- Control flow & conditional statements
- Creating Data Structures (Data import — reading
- Debugging & Code profiling into pandas)
- Python Built-in Functions (Text, numeric, date,
- utility functions)
- Cleansing Data with Python
- User defined functions — Lambda functions
- Understand the data
- Concept of apply functions
- Sub Setting / Filtering / Slicing Data
- Python — Objects — OOPs concepts

DATA ANALYSIS USING PYTHON

- Exploratory data analysis
- Descriptive statistics, Frequency Tables and summarization
- Uni-variate Analysis (Distribution of data & Graphical Analysis)
- Bi-Variate Analysis(Cross Tabs, Distributions & Relationships, Graphical Analysis)

DATA VISUALIZATION WITH PYTHON

- Data Visualization with Python
- Introduction to Data Visualization
- Introduction to Matplotlib
- Basic Plotting with Matplotlib
- Line Plots

Predictive Modeling & Machine Learning

INTRODUCTION TO PREDICTIVE MODELING

- Introduction to Predictive Modeling
- Concept of model in analytics and how it is used?
- Common terminology used in modeling process
- Types of Business problems - Mapping of Algorithms
- Different Phases of Predictive Modeling
- Data Exploration for modeling
- Exploring the data and identifying any problems
- Forest, Adaboost, Gradient Boost, XGBoost with the data (Data Audit Report)
- Identify missing/Outliers in the data

TIME SERIES FORECASTING

- Time Series Forecasting
- What is forecasting?
- Applications of forecasting
- Time Series Components and Decomposition
- Types of Seasonality
- Important terminology: lag, lead, Stationary, stationary tests, auto correlation & white noise, ACF & PACF
- Visualize the data trends and patterns

INTRODUCTION TO MACHINE LEARNING

- Introduction to Machine Learning
- Applications of Machine Learning
- Supervised vs Unsupervised Learning vs. Reinforcement Learning
- Overall process of executing the ML project
- Stages of ML Project
- Concept of Over fitting and Under fitting (Bias- Variance Trade off) & Performance Metrics
- Concept of feature engineering

SUPERVISED LEARNING: CLASSIFICATION PROBLEMS

- Logistic Regression
- K-Nearest Neighbor
- Nai”ve Bayes Classifier
- Decision Trees
- Ensemble Learning - Bagging, Random Forest, Adaboost, Gradient Boost, XGBoost
- Support Vector Classifier

UNSUPERVISED LEARNING

- Principal Component Analysis
- K-Means Clustering
- Density-Based Clustering

Text Mining using NLP

INTRODUCTION TO TEXT MINING

- Introduction to Text Mining
- Text Mining - characteristics, trends
- Text Processing using Base Python & Pandas, Regular Expressions
- Text processing using string functions & methods
- Understanding regular expressions
- Identifying patterns in the text using regular expressions

TEXT PROCESSING WITH MODULES LIKE NLTK, SKLEARN

- Getting Started with NLTK
- Introduction to NLP & NLTK
- Introduction to NLTK Modules (corpus, tokenize, Stem, collocations, tag, classify, cluster, tbl, chunk, Parse, ccg, sem, inference, metrics, app, chat, toolbox etc)

INITIAL DATA PROCESSING AND SIMPLE STATISTICAL TOOLS

- Reading data from file folder/from text file, from the Internet & Web scrapping, Data Parsing
- Cleaning and normalization of data
- Sentence Tokenize and Word Tokenize, Removing insignificant words(“stop words”), Removing special symbols, removing bullet points and digits, changing letters to lowercase, stemming /lemmatization, /chunking
- Creating Term-Document matrix

ADVANCED DATA PROCESSING AND VISUALIZATION

- Vectorization (Count, TF-IDF, Word Embedding's)
- Sentiment analysis (vocabulary approach, based on Bayesian probability methods)
- Name entity recognition (NER)
- Methods of data visualization
- Grouping texts using different methods
- Language Models and n-grams -- Statistical Models of Unseen Data (Smoothing)

TEXT MINING — PREDICTIVE MODELING

- Semantic similarity between texts
- Text Segmentation
- Topic Mining (LDA)
- Text Classification(spam detection, sentiment analysis, Intent Analysis)

Introduction to AI & DL

INTRODUCTION TO ARTIFICIAL INTELLIGENCE (AI)

- Modern era of AI
- Role of Machine learning & Deep Learning in Al
- Hardware for AI (CPU vs. GPU vs. FPGA)
- Software Frameworks for AI & Deep Learning
- Key Industry applications of A

ARTIFICIAL NEURAL NETWORK

- Overview of Neural Networks
- Activation Functions, hidden layers, hidden units
- Illustrate & Training a Perceptron
- Important Parameters of Perceptron
- Understand limitations of A Single Layer Perceptron
- Illustrate Multi-Layer Perceptron
- Understand Backpropagation — Using Example
- Implementation of ANN in Python- Keras

INTRODUCTION TO CLOUD COMPUTING

- Use Cases of Cloud computing
- Overview of Cloud Segments: IaaS, PaaS, SaaS
- Overview of Cloud Deployment Models
- Overview of Cloud Security

INTRODUCTION TO DEEP LEARNING

- What are the Limitations of Machine Learning?
- What is Deep Learning?
- Advantage of Deep Learning over Machine learning
- Reasons to go for Deep Learning
- Real-Life use cases of Deep Learning
- Overview of important python packages for Deep Learning

Live Projects

HEART DISEASE DETECTION:

Given a list of factors and conditions we will discover if a prospective patient is susceptible to heart disease. This information will be used to plan awareness campaigns and health plans.

PRICE ANALYTICS FOR AN E-COMMERCE MAJOR

We will analyze the pricing patterns for various products of an ecommerce major and submit analytics to the upper management to take business calls.

Tools Covered

Discover the power of data with the tools. Learn how to use industry standard tools such as Python, R and SQL and other tools to make data driven decisions and excel in your career in data science.

- Pandas
- Numpy
- PowerBI
- SQL
- Matplotlib
- Excel

Why Choose Us?

	Udemy	REDEFINE CAREER	Scaler
Course Type	Recorded	**Live**	Recorded + Live
Instructors	No specific Criteria	**IIT, IIM & ISB Alumni**	No specific Criteria
Live Projects	Yes	**Yes**	Yes
Portfolio Project	No	**Yes**	No
Placement Assistance	No	**Yes + Job Referral**	Yes
Total Course Fee	52,000	**35,000**	3,69,000
Upfront Fee	52000	**5,000**	3,69,000

Contact Us

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Other Courses

- Data Analytics with Visualization tools
- Data Analytics FastTrack: A Comprehensive Course with Internship Support
- Data Analytics/ Data Science revision with interview prep and placement assistance

About Mentors

SIDDHARTHA DEVAPUJULA

STAFF DATA SCIENTIST - MYNTRA, EX-MICROSOFT

Given a list of factors and conditions we will discover if a prospective patient is susceptible to heart disease. This information will be used to plan awareness campaigns and health plans.

SUNEEL GORANTLA

ASSOCIATE DIRECTOR - EY, EX- CARELON, S&P GLOBAL

Meet Suneel Gorantla, an accomplished data scientist with over 10+ years of experience in the field. As an alumnus of both the IIT, Patna and the ISB.

KUMAR RAMENDRA

DATA SCIENTIST - TWILIO, EX-DOZEE, SAINT GOBAIN

Kumar Ramendra is an accomplished Data Scientist with a diverse range of skills and experiences. He holds a Bachelor's degree in Computer Science and Engineering from the NIT Hamirpur.

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