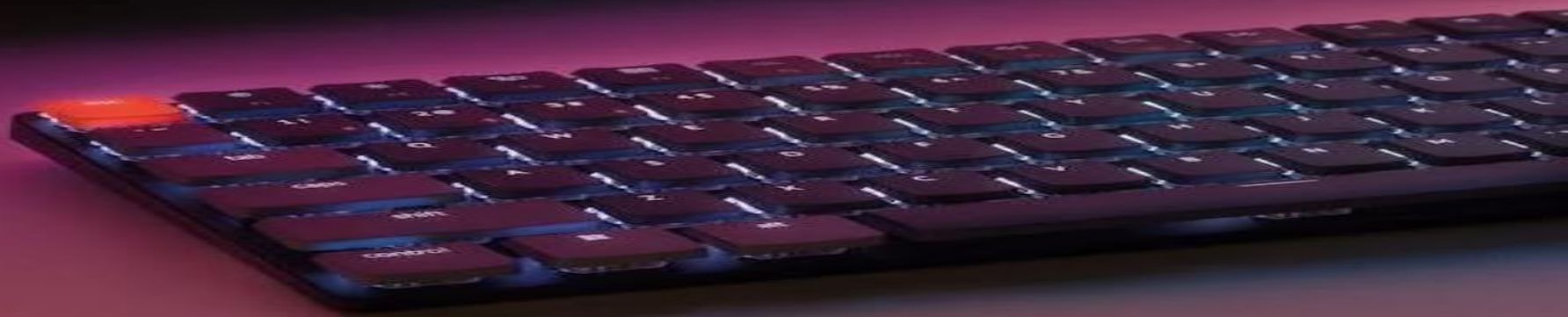




# Healthcare Data Analyst Training Program Certification Course



## About Us

Welcome to **Yuva Sakthi Academy!**

We are committed to delivering high-quality education and creating a learning environment where students can thrive. With a focus on both academic and personal development, we aim to empower every learner who walks through our doors.

### Our Mission

Our mission is to equip individuals with the knowledge, skills, and confidence to achieve their goals. We focus on holistic development, encouraging not just academic success but also personal growth and career readiness.

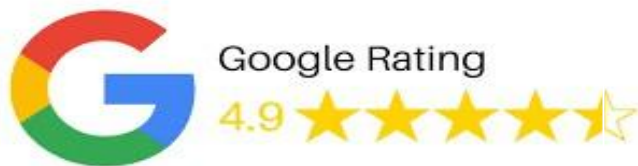
## What We Offer

We provide expert-led training programs designed to meet the needs of school students, competitive exam aspirants, and skill-seekers. Our curriculum blends strong foundational learning with practical application, ensuring every student is career- and life-ready.

### Our Impact

Over the years, Yuva Sakthi Academy has helped countless students unlock their potential and succeed in their chosen fields. Many of our alumni have gone on to excel in academics, careers, and life—all starting with the right guidance here.

Visit us at [www.yuvasakthiacademy.com](http://www.yuvasakthiacademy.com) to learn more.



# About Us – Healthcare Data Analyst Training Program

At Yuva Sakthi Academy, our **Healthcare Data Analyst Training Course** provides a comprehensive and practical foundation in data analytics tailored for the healthcare industry. Designed for both beginners and professionals, this program focuses on analyzing healthcare data, generating meaningful insights, and supporting data-driven decision-making in clinical and organizational settings. Participants will gain hands-on experience through real-world case studies and project-based learning, covering topics such as healthcare

databases, electronic health records (EHR), medical coding data, data visualization, and statistical analysis using industry tools like Excel, SQL, Power BI, and Tableau. Whether you are a fresher, healthcare professional, or aspiring analyst, this course equips you with the skills and confidence to interpret healthcare data, improve patient outcomes, and support strategic decision-making in hospitals, research, and public health organizations.

## Why Choose the Healthcare Data Analyst Training Program from Yuva Sakthi Academy?



### Industry-Leading Platform:

Gain hands-on expertise with essential healthcare analytics tools and technologies, including Excel, SQL, Power BI, and Tableau. This training empowers you to master data analysis practices that streamline healthcare operations, enhance patient care, and optimize decision-making through data-driven insights.



### Opportunity in Top MNCs:

Master healthcare data analytics through hands-on training in data visualization, reporting, and statistical analysis. At Yuva Sakthi Academy, you'll gain practical skills, real-world project experience, and expert guidance to boost your career in top healthcare and IT companies.



### Lucrative Salary:

Unlock high-paying opportunities with our Healthcare Data Analyst Training Program at Yuva Sakthi Academy. Gain in-demand skills in healthcare data management, analytics, and reporting to boost your career.

### **Expert-Led Instruction:**

Receive top-notch training in Healthcare Data Analytics, covering everything from data collection and preprocessing to advanced analytical methods and visualization techniques. Enhance your skills through expert guidance, real-world healthcare projects, and hands-on experience with industry-relevant tools.

### **Hands-On Experience:**

Get hands-on training in Healthcare Data Analytics, covering data cleaning, visualization, and statistical analysis. Work on real-world healthcare datasets to uncover insights, improve decision-making, and build a strong portfolio. Enroll now to advance your analytics career!

### **Comprehensive Curriculum:**

Our course covers essential Healthcare Data Analytics skills, including data collection, cleaning, visualization, statistical analysis, and reporting. Gain practical experience with real-world healthcare datasets to generate insights, support evidence-based decisions, and address real-world challenges effectively.

### **Cutting-Edge Tools:**

Leverage industry-leading tools like Excel, SQL, Tableau, Power BI, and healthcare-specific analytics platforms to build actionable insights. Master data cleaning, visualization, and reporting techniques that empower you to analyze complex healthcare datasets and drive informed decision-making.

### **Career Advancement:**

Boost your career with our Healthcare Data Analyst Training Program. Master healthcare data management, reporting, and visualization to unlock roles in hospitals, research organizations, and top healthcare firms. Enroll today to secure competitive opportunities in the growing healthcare analytics industry!

### **Flexible Learning:**

Enjoy flexible learning options that fit your schedule, making it easy to balance Healthcare Data Analyst training with your other commitments. Master healthcare data analysis, visualization, and reporting at your own pace, anytime, anywhere.

# Healthcare Data Analyst Training Tools

- **Microsoft Excel & Power BI** – For healthcare data cleaning, visualization, and reporting dashboards.
- **SQL** – To query, manage, and analyze large-scale patient and hospital data.
- **Python (Pandas, NumPy, Matplotlib, Seaborn)** – For advanced analytics, data preprocessing, and visualization.
- **R Programming** – For statistical analysis and predictive modeling in healthcare research.
- **Tableau** – To create interactive dashboards and visualize clinical and operational healthcare data.
- **SAS** – For clinical trial data analysis and regulatory healthcare reporting.
- **EHR Systems (Epic, Cerner, Meditech)** – For working with real-world healthcare data sources.
- **SPSS / Stata** – For biostatistics and healthcare data modeling.
- **Cloud Platforms (Google Cloud, AWS, Azure)** – For big data analytics, storage, and healthcare data security.
- **HIPAA Compliance Tools** – To ensure patient data privacy and secure handling of healthcare records.

# Who Choose the Healthcare Data Analyst Training Program from Yuva Sakthi Academy?



Healthcare Professionals

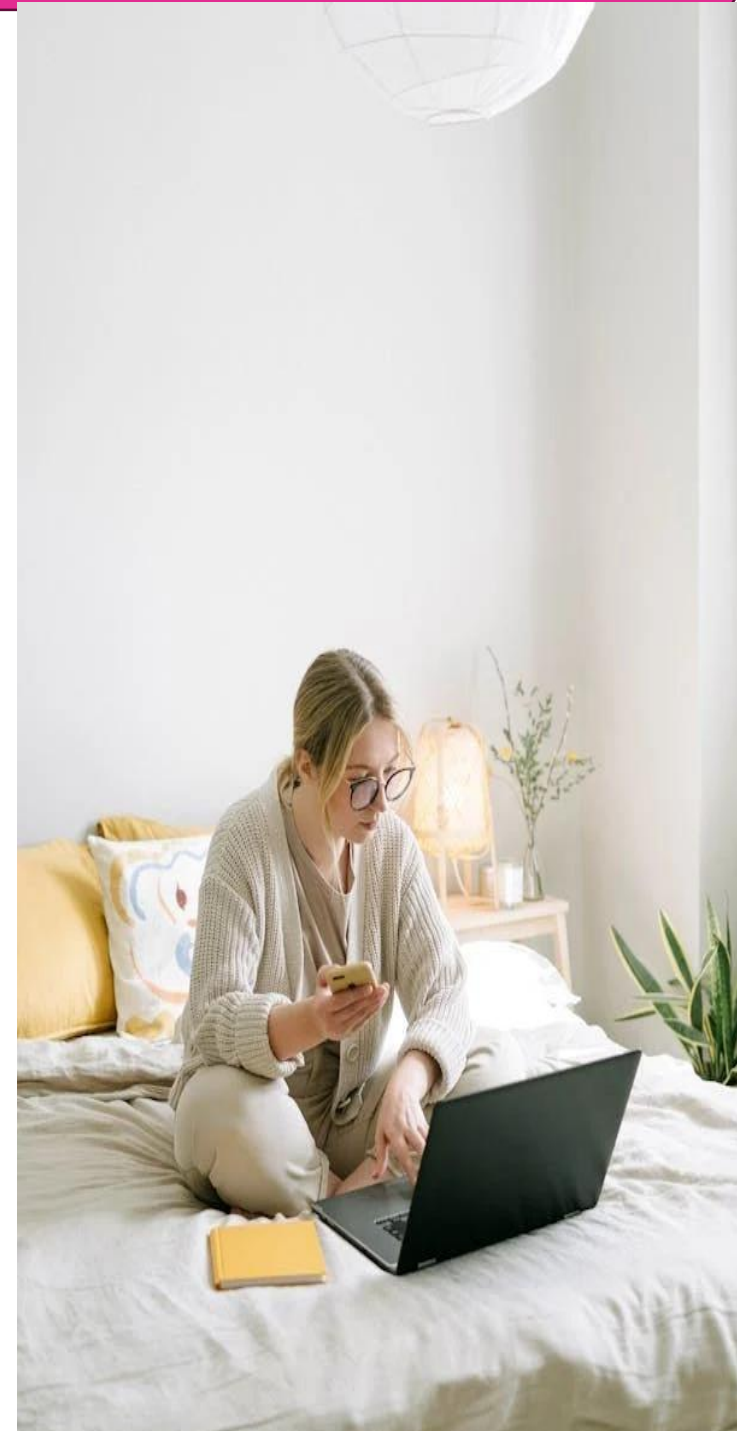
Life Science & Medical Graduates

IT Professionals

Data Professionals

Healthcare Administrators

Career Switchers



# Healthcare Data Analyst Training Program Certification Topics:

## Module 1: Introduction to Healthcare Data

- Understanding Healthcare Ecosystem
- Electronic Health Records (EHR) Basics
- Claims Data & Clinical Data Structures
- Introduction to HL7, FHIR Standards
- HIPAA Compliance & Data Privacy

## Module 2: Excel for Healthcare Data Analysis

- Excel Basics, Formulas (IF, SUMIF, VLOOKUP)
- Data Cleaning Techniques
- Pivot Tables & Pivot Charts
- Reporting Healthcare Metrics

## Module 3: SQL for Healthcare Analytics

- SQL Basics: SELECT, WHERE, GROUP BY, JOINS
- Querying Simulated Patient Data
- Aggregating Clinical Metrics
- Reporting using SQL Queries

## Module 4: Power BI / Tableau (Choose one)

- Connecting to Healthcare Data Sources
- Data Modeling & Transformation
- Interactive Healthcare Dashboards
- KPI Reports: Admissions, Readmissions, Demographics
- Publishing & Sharing Dashboards

## Module 5: Python for Healthcare Data Analysis

- Python Basics: Variables, Loops, Functions
- Data Manipulation using Pandas & NumPy
- Visualizations using Matplotlib & Seaborn
- Cleaning and Analyzing EHR/Claims Data

## Module 6: Basic Statistics & Analytics

- Descriptive Statistics
- Mean, Median, Mode, Standard Deviation
- Hypothesis Testing Concepts (Optional)
- Patient Demographics & Trend Analysis

## Module 7: Healthcare Analytics Case Studies

- Patient Readmission Analysis
- Claims Fraud Detection Basics
- Disease Trend Reports
- Real-time Reporting Dashboard

## Module 8: Real – time Project & Portfolio Building

- End-to-End Healthcare Data Project
- Report & Dashboard Preparation
- Portfolio Upload to GitHub/LinkedIn
- Presentation & Documentation Skills

## Optional Bonus Modules

- Basics of Machine Learning for Healthcare
- Data Warehousing Concepts
- Quality Metrics Reporting (HEDIS, STAR Ratings)

## Certification Guidance

- Certified Health Data Analyst (CHDA)
- Google Data Analytics Certificate
- HIPAA Compliance Certification

## Training Approach

- 80% Practical, 20% Theory
- Real-time Datasets & Tools
- Weekly Hands-on Assessments
- Final Project Presentation

## Possible Aspects of an IT-Focused Project

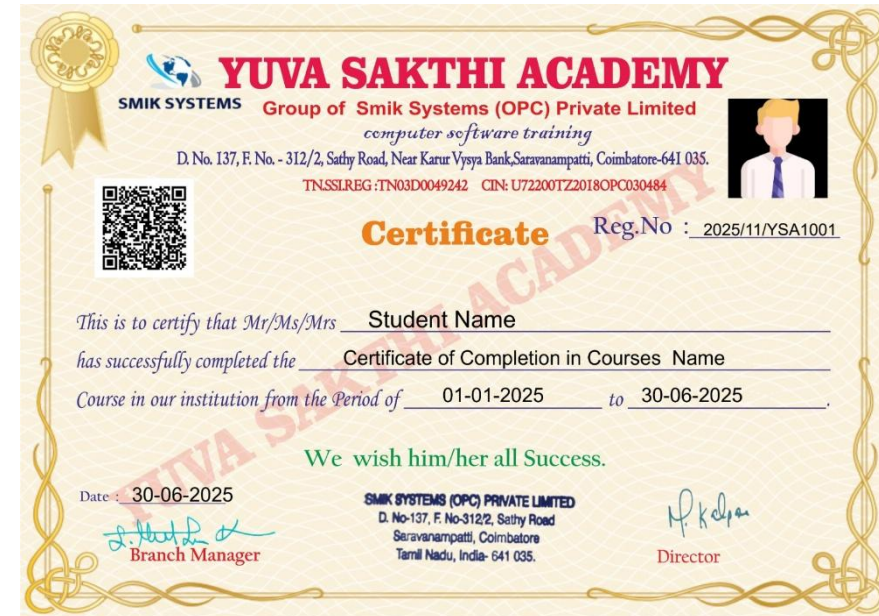
Our Healthcare Data Analyst Training Program equips participants with the essential skills to analyze, interpret, and manage healthcare data effectively. This comprehensive certification course enhances expertise through structured modules focused on healthcare databases, data visualization, EHR systems, and predictive analytics.

Participants gain hands-on experience by working on real-world healthcare datasets and projects that simulate hospital and clinical environments. The program fosters innovation by addressing real-world healthcare challenges, supports career advancement in healthcare analytics, and provides valuable insights through expert mentorship, case studies, and industry networking opportunities.



# Yuva Sakthi Academy Certification

The **Yuva Sakthi Academy** Certification is a distinguished credential designed to validate the expertise and practical skills of individuals in the retail industry. This certification is awarded upon successful completion of our comprehensive training programs, which cover essential areas such as customer service excellence, sales techniques, and retail management. Participants gain hands-on experience and industry-recognized qualifications, setting them apart in the competitive retail job market. Our certification program not only enhances your professional profile but also equips you with the knowledge and skills needed to excel in various retail roles. By earning this certification, you demonstrate your commitment to excellence and readiness to contribute effectively to the retail sector. Whether you're seeking to advance your career or embark on a new journey in retail, the Yuva Sakthi Academy Certification is a valuable asset to support your career goals.



# YUVA SAKTHI ACADEMY



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