



**Data Analyst  
& Generative  
AI**



**Training Partner Skillsxai**

## ABOUT SKILLSPRO

SkillsPro (unit of DPS Institute of IT and Vocational Studies Pvt. Ltd.) is an AI skilling platform built for India. Every course is hands-on, project-based, and mentored by working professionals. We don't just teach tools we train you to use AI to get results, get hired, and build things that matter.

**Training Partner SkillsXAI**

### 3 Months

Complete course duration.  
Full curriculum covered.

## WHY SKILLSPRO?

### Zero to Job-Ready

We start from absolute basics. No prior degree or experience required for any course.

### AI-First Curriculum

Every course integrates the latest AI tools used by real companies right now — not outdated theory.

### Project-Based Learning

Resume building, mock interviews, portfolio review, and job referrals included.

### Live Mentorship

Every session is live with working professionals. Ask questions, get real-world answers.

### Placement Support

You build real projects every month. By the end you have a portfolio, not just a certificate.

### Recorded Sessions

Miss a class? Every session is recorded and available for replay anytime you want.

## WHAT'S INCLUDED IN YOUR ENROLMENT

**Doubt Resolution** Ask questions during class and in our community group

**AI Tools Access Guidance** Learn to access and use every tool taught in the course

**Completion Certificate** SkillsPro certificate upon successful course completion

**Community Access** Lifetime access to the SkillsPro alumni network

## Ready to Transform Your Career?

Join thousands of students already learning AI skills at SkillsPro

# DA Data Analyst & Generative AI

From raw data to AI-powered insights — the most in-demand analyst skill set of 2025.

**Data Analyst + Gen AI + LLM Agents — the full stack companies are urgently hiring for in 2025**

This course builds you into a complete, job-ready Data Analyst — with Generative AI as your superpower. Master Python, Pandas, NumPy, SQL, Power BI and Tableau for core analysis and visualisation. Then go further with Transformers, OpenAI API, LangChain and RAG pipelines to build AI-powered reporting tools and intelligent data assistants. The market has shifted from basic analysis to Autonomous AI — this course puts you exactly where that demand is. No prior experience needed.

**WHO IS THIS FOR?** Any stream. Especially strong for Commerce, Maths, Science & working professionals.

## FULL CURRICULUM

12 weeks • Phase-by-phase progression

PHASE 1 — Month 1 PYTHON, STATS & SQL	PHASE 2 — Month 2 ANALYSIS & VISUALISATION	PHASE 3 — Month 3 GENERATIVE AI FOR ANALYSTS
<ul style="list-style-type: none"> <li>• Python Core — Syntax, Variables &amp; Functions</li> <li>• Data Structures — Lists, Dicts &amp; DataFrames</li> <li>• Probability &amp; Statistics for Data Analysis</li> <li>• Hypothesis Testing &amp; Statistical Inference</li> <li>• Excel / Google Sheets — Advanced Techniques</li> <li>• Introduction to SQL for Analysts</li> <li>• SQL — Advanced Joins &amp; Window Functions</li> <li>• MongoDB (NoSQL) — Querying Documents</li> <li>• Data Warehousing Concepts &amp; Architecture</li> <li>• Data Cleaning &amp; Missing Value Treatment</li> </ul>	<ul style="list-style-type: none"> <li>• Pandas — Data Manipulation &amp; Aggregation</li> <li>• NumPy — Numerical Computing for Analysts</li> <li>• Matplotlib &amp; Seaborn — Charts &amp; Plots</li> <li>• Jupyter Notebook — Analyst Workflow</li> <li>• Power BI — DAX Formulas &amp; Data Modelling</li> <li>• Tableau — Visual Analytics &amp; Storytelling</li> <li>• Google Looker Studio — Live Dashboards</li> <li>• Business Metrics, KPIs &amp; Data Storytelling</li> <li>• Real-World Business Case Studies</li> <li>• Power BI — Interactive Reports &amp; Dashboards</li> </ul>	<ul style="list-style-type: none"> <li>• Transformers (BERT/GPT) — How LLMs Work</li> <li>• Hugging Face — Pre-trained Models for Data</li> <li>• Prompt Engineering for Data Analysis</li> <li>• OpenAI API — Automate Reports with AI</li> <li>• LangChain — Build AI-Powered Data Tools</li> <li>• Vector Databases (Pinecone) for Search</li> <li>• RAG Pipelines — AI over Your Own Data</li> <li>• Build an AI Data Chatbot from Scratch</li> <li>• Streamlit — Deploy Analysis as an App</li> <li>• Capstone — AI Analyst Portfolio Project</li> </ul>

## TOOLS YOU WILL MASTER

- Python
- Pandas
- NumPy
- SQL
- MongoDB
- Power BI
- Tableau
- Google Looker Studio
- Excel / Google Sheets
- Jupyter Notebook
- Matplotlib / Seaborn
- OpenAI API
- LangChain
- Hugging Face
- Streamlit
- Pinecone

## WHAT YOU WILL ACHIEVE

- Write advanced SQL queries & window functions
- Build Power BI & Tableau dashboards for teams
- Clean and analyse datasets using Python & Pandas
- Auto-generate data reports using OpenAI API
- Build RAG pipelines to query business data with AI
- Deploy a live AI data assistant with LangChain
- Deploy analysis tools as apps using Streamlit
- Build a complete data analyst portfolio

## SALARY OUTLOOK

**Rs. 5 – 9 LPA**  
Fresher / Entry Level  
Per Annum CTC

**Rs. 12 – 22 LPA**  
Experienced (2-4 yrs)  
Per Annum CTC

**+35%**  
Job Growth  
India needs 11M data pros by 2026