ALGONEX

YOUR BRIDGE FROM CAMPUS TO CORPORATE

AI-POWERED LEARNING FOR NEXT-GENERATION DEVELOPERS

WHO WE ARE

BACKGROUND

ALGONEX offers industry-standard IT training programs designed specifically for graduate students. Our clear and structured curriculum delivers real, value-driven content with hands-on experience. We prepare students to compete in tech events, build networks, and thrive in real-world industry environments.

VALUES

At ALGONEX, we believe in real-world learning, not just theory. Our IT trainings focus on industry-relevant skills, hands-on practice, and innovative teaching methods. We value clarity, structure, and career readiness—preparing students to lead, compete, and connect in the tech world
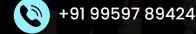
GOALS

ALGONEX IT Trainings aim to equip graduates with real-world, job-ready skills through an industry-aligned and hands-on curriculum. We focus on practical learning, competitive readiness, and professional networking opportunities. Our mission is to bridge the gap between academics and industry with value-driven, future-focused education.

- WORKSHOPS
- INTERNSHIPS
- HACKATHONS
- PLACMENT ASSISTANCE
- INDUSTRY-STANDARD TRAININGS

Generate a QR code by browsing through the 'Apps' option on the left-side object panel.

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Become Job-Ready Data Science Professional

SPRINT 1
PYTHON + MATH FOUNDATIONS + DATA HANDLING

WEEK 1 - WEEK 4

- Complete Python Basics: Syntax, Loops, Functions
- Build mini-project: Calculator / Pattern Printing
- Learn Lists, Sets, Dictionaries, Comprehensions
- Mini-project: Contact Book / ATM System
- Work with NumPy Arrays and Pandas Data Frames
- Clean Titanic dataset
- Visualize data using Matplotlib and Seaborn
- Create Dashboard with different plot types

SPRINT 2
SQL + STATISTICS + CASE STUDIES

WEEK 5 - WEEK 8

- Master Group By, Aggregations with Pandas
- Walmart sales case study analysis
- Study Distributions, Outliers, Central Tendency
- Practice SQL: SELECT, JOIN, GROUP BY, Subqueries
- Complete Netflix or HR case study using SQL
- Perform Z-test, T-test, and A/B testing
- Submit A/B test conversion report

SPRINT 3
MACHINE LEARNING CORE

WEEK 9 - WEEK 12

- Learn ML concepts: Supervised vs Unsupervised
- Train a model on Iris dataset
- Apply Linear, Logistic, DT, KNN on datasets
- Projects: Titanic & Boston Housing ML Models
- Perform clustering with KMeans, PCA
- Customer Segmentation with Unsupervised Learning
- Evaluate ML Models: Accuracy, AUC, F1, Confusion
- Submit Model Evaluation Report

SPRINT 4
ADVANCED + PROJECTS + DEPLOYMENT

WEEK 13 - WEEK 16

- Learn Time Series Forecasting with ARIMA & Prophet
- Project: Sales Forecasting (Retail)
- Learn NLP: Tokenization, TF-IDF, Sentiment Analysis
- Build Sentiment Classifier using Movie Reviews
- Deep Learning Intro: ANN, Activations, Layers
- Build Binary Classifier using Keras
- Deploy ML Model: Streamlit/Flask
- Final Project + Resume + GitHub Upload

Tools :

Jupyter, Colab, Power BI, VS Code, scikit-learn, NumPy, Pandas, Flask, GitHub, Python, Matplotlib, SQL, scipy, Pandas, TensorFlow

PROJECTS

- Student Performance Prediction System
- Property Price Prediction Platform
- Retail Sales Forecasting System
- Customer Segmentation Analytics
- Personal Finance Intelligence Platform

EVENTS

- [AI Alliance] MAAI: Multi-agentic AI student support system for Workforce 5.0
- The GenAI Lab - WeWork
- DevRel event - Microsoft, Bellandhur
- JS Meetup #102: LLMs, GitHub Copilot and AI-Augmented TDD tomorrow - Thought works, Whitefield

FEATURES

- ALGONEX empowers students with hands-on experiences like LeetCode competitions, live hackathons, industrial tours, and advanced workshops.
- We offer career support through one-on-one mentorship, resume building, LinkedIn optimization, and lifetime placement services.
- With open-source programs, startup pitch sessions, certifications, and alumni access, we prepare students to lead in the tech industry.