




# ALGONIVE

"EMPOWERING INTELLIGENCE THROUGH ELEGANT  
ALGORITHMS."



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# About Us

At Algonive, we are committed to providing students with real-world experience that equips them for success in the tech industry. Our internship program emphasizes hands-on learning, allowing students to work on live projects and develop practical skills under the guidance of experienced mentors. This immersive approach enables them to effectively apply their knowledge to real-world challenges.

Our team of industry experts is passionate about supporting students in their professional development. At Algonive, we foster a supportive and innovative environment that encourages continuous learning and personal growth, empowering students to confidently step into their future careers.



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# Instructions

- Kindly announce your internship status on LinkedIn by mentioning **@Algonive**.
- Ensure the timely completion of all assigned projects within the stipulated deadlines.
- Upload your complete source code to GitHub by creating a repository titled: **Algonive\_Project\_Name**.
- Upon project completion, share an update on LinkedIn that includes a video explanation of your work along with the link to the corresponding GitHub repository.
- Weekly tasks will be assigned and must be completed within the given timeframe. Submission is to be made through the official submission form.
- **For each domain, two tasks will be provided. You are required to complete atleast **one task** relevant to your selected domain.**



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# Data Analytics

A data analyst is a professional who collects, processes, and analyzes data to extract meaningful insights that help businesses and organizations make informed decisions. They work with large datasets using statistical tools, programming languages, and visualization techniques to identify trends, patterns, and correlations.



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# TASK - 1

## CUSTOMER SEGMENTATION USING PYTHON

- ❑ Develop a Customer Segmentation System that categorizes customers based on their purchasing behavior, demographics, and preferences. Businesses use this technique to target marketing strategies, personalize recommendations, and optimize customer engagement.
- ❑ Key Features:
  - Data Cleaning & Preprocessing
  - Exploratory Data Analysis (EDA)
  - Clustering Algorithms
  - Feature Engineering
  - Dashboard & Visualization
- ❑ You can source relevant movie datasets from:
  - Kaggle (<https://www.kaggle.com>) – Search for "Customer Segmentation Dataset"
  - Google Dataset Search (<https://datasetsearch.research.google.com>) – Find business-related customer data



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# TASK - 2

## SALES DATA ANALYSIS AND FORECASTING

- ☐ Develop a Sales Data Analysis System that helps businesses analyze past sales trends and predict future revenue. This project is widely used in retail, e-commerce, and finance to optimize inventory and marketing strategies.
- ☐ Key Features:
  - Data Cleaning & Preprocessing
  - Exploratory Data Analysis (EDA)
  - Feature Engineering
  - Dashboard & Visualization
- ☐ You can source relevant movie datasets from:
  - Kaggle (<https://www.kaggle.com>) – Search for "Retail Sales Dataset"
  - Google Dataset Search (<https://datasetsearch.research.google.com>) – Find industry-specific sales data.



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# SUBMISSION DETAILS

A SUBMISSION FORM will be shared later. Till then please continue your task



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# Contact Us



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