



EDIFY TECH SOLUTIONS

DATA SCIENCE

PROGRAM TYPE
PROFESSIONAL



Our Alumni work at



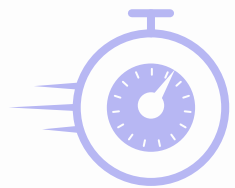
WHO ARE WE?

At **Edufyi Tech Solutions**, we are dedicated to transforming the educational journey for college students by offering cutting-edge virtual internships and comprehensive training programs. Our approach combines industry mentorship with practical experience, providing each student with six real-time and capstone projects per course or domain. These projects are designed to equip students with the skills and experience needed to secure their dream jobs upon graduation



WHY CHOOSE US?

Our unique features are:



Choose your Speed,
Master the Skills



Industry Project
Playground



Resume Building & Aptitude
Grooming



Learn from Industry Mentors
from MNCs & Startup Founders



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Assistance



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Anywhere!!



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with Performance
Based Stipend



Mentorship by
industry experts
via live sessions



Access
to our
Hiring Partners



WHAT IS DATA SCIENCE?

Data Science is the study of data, **Data Scientists** construct questions around specific data sets and then use data analytics and advanced analytics to find patterns, create predictive models, and develop insights that guide decision-making within businesses.

It uses algorithms, procedures, and processes to examine large amounts of data in order to uncover hidden patterns, generate insights, and direct decision-making. To create prediction models, data scientists use advanced machine learning algorithms to sort through, organize, and learn from structured and unstructured data.



SCOPE OF DATA SCIENCE

Data Science is an in-demand career path for people with an aptitude for research, programming, math, and computers.

The Data Science market size is projected to grow from **USD 95.3 billion** in 2021 to **322.9 USD billion** in 2026, at a Compound Annual Growth Rate (CAGR) of 27.7% during the forecast period.

Data Science has immense role across industries such as:

1. Healthcare
2. Aviation and Airlines
3. Cyber Securities
4. Genomics
5. Automotive, etc



CAREER OPPORTUNITIES

- Business Intelligence(BI)
- Developer
- Data Architect
- Application Architect
- Infrastructure Architect
- Data Scientist
- Data Analyst
- Product Manager



HOW CAN YOU START YOURS JOURNEY AS A DATA SCIENTIST?

Enrol in Edufyi Tech Solutions s specialized program of Industrial Training and Internship in collaboration with 150+ partnered companies. Get taught by industry experts and build 6 real-time projects. Receive globally accepted certifications and enhance your job opportunities through our placement assistance program.



SPECIALISED PROGRAM CURRICULLUM

INDUSTRIAL TRAINING

● Session 1

- Introduction to Python
- What is Python?
- Features
- Application of Python in Software Development



● Session 2

- Anaconda
- What is Anaconda?
- Relevance of Anaconda in Data Science
- How to Install it?
- What is Jupyter Notebook?
- How to use Jupyter Notebook?

● Session 3

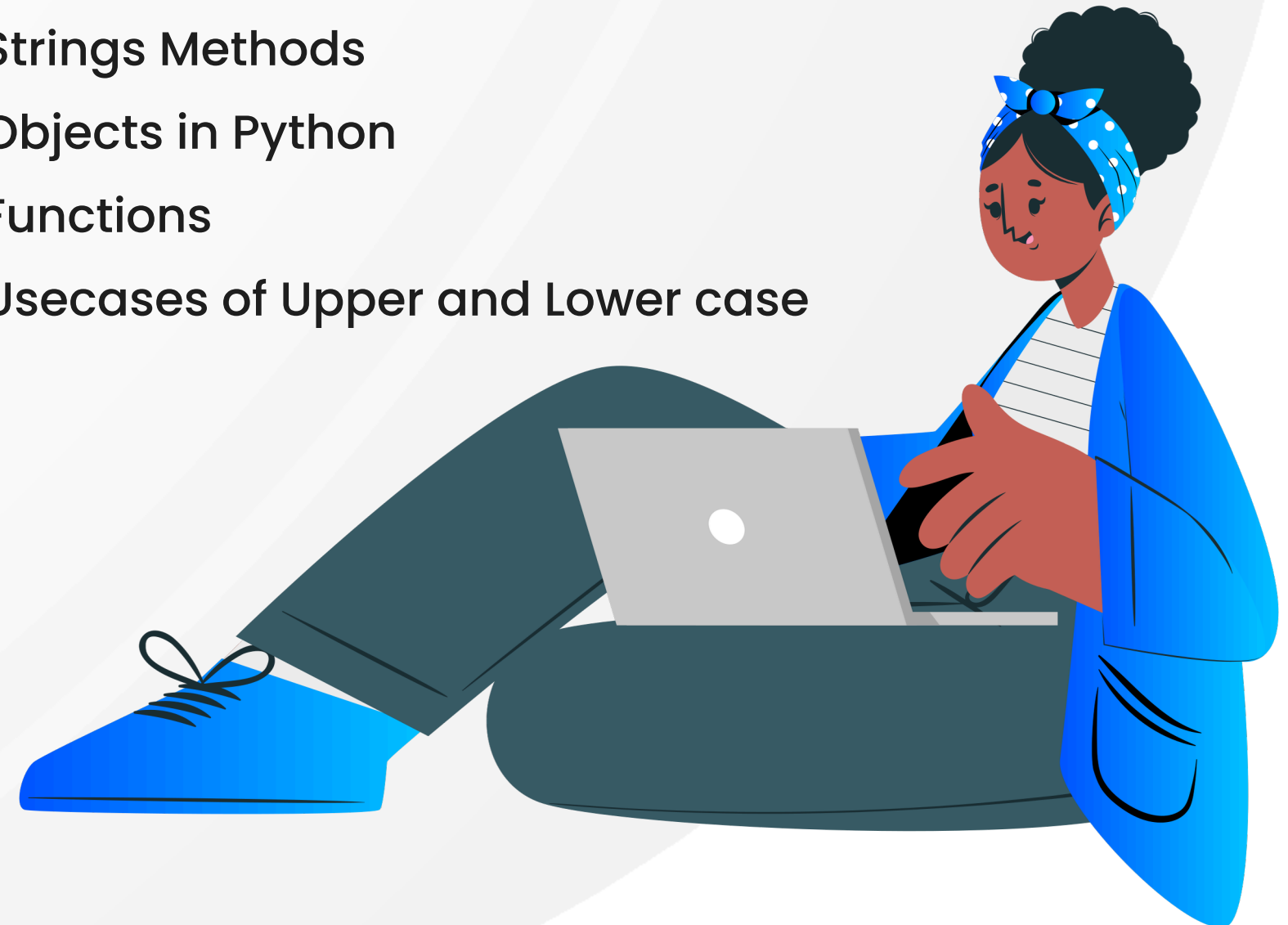
- Data types in Python
- Numbers and Variables
- Basics of Variables
- Learning variables via Jupyter Notebook
- What are Primitive Datatypes
- Comparison between C, Java and Python

● Session 4

- All about Strings
- What are Strings?
- How Python deals with String
- What are Strings method in Python
- What are Strings operation
- How we can format String Python

● Session 5

- Strings Methods
- Objects in Python
- Functions
- Usecases of Upper and Lower case



● Session 6

- All about Lists
- What are lists in Python
- Defining a List
- Methods in Lists
- Functions of Lists

Session 7

● Control Structure and Flows in Python

- What is Control Structure
- What is Control Flows
- Operators in Python
- Types of Operators
- Usage of different operators

● Session 8

- Conditional Statements in Python What
- are decision making statements If and
- Else Statements Relevance of conditonal
- or decison
- making statements
- Example with a usecase

Session 9

● Loops in Python What are Loops

- Application of Loops in the Payroll Industry
- Command based study of Loops in
- Python
- Functions



● Session 10

- What are Functions
- Types of Functions in Python
- How to write customised Function
- Requirement of customised Functions
- Usability of Functions in Python

● Session 11

- Arguments in Functions
- Types of Arguments
- Difference between Greeting and Print Function
- Realtime usability of Arguments

● Session 12

- Decorator
- What is a Decorator
- Usability of Decorator in Python
- Example with a usecase

● Session 13

- Generator
- What is a Generator
- Features of Generator
- Undersating Generator via Jupyter Notebook

● Session 14

- Objects and Classes
- What are Objects and Classes
- How to retireve class name of variable
- Accessing the attribute value

● Session 15

- Files
- Opening and Closing of Files
- Types of Files
- Different access modes



● Session 16

- Exception Handling in Python
- What is exception handling
- Why do we need it
- Uderstanding usecase with an example

● Session 17

- Python Packages
- What are Python Packages
- Relevance of Python Packages
- Modules of Python Packages
- Introduction to Pandas
- Use of Pandas
- Features of Pandas
- Functions available in Pandas

● Session 18

- Introduction to SQL
- What is SQL
- Relevance of SQL
- Applications of SQL
- SQL commands
- Relational Database Concepts
- Creating a Database
- Types of SQL Commands

● Session 19

- Getting started with SQL
- Online SQL stimulator
- Practical approach to SQL
- Creating a Table
- Alter, Drop and Truncate commands
- Insert and Select Statement
- Count, Distinct and Limit
- Update and Delete Statements

QUIZ

INTERNSHIP

Project 1

Project 2

Project 3

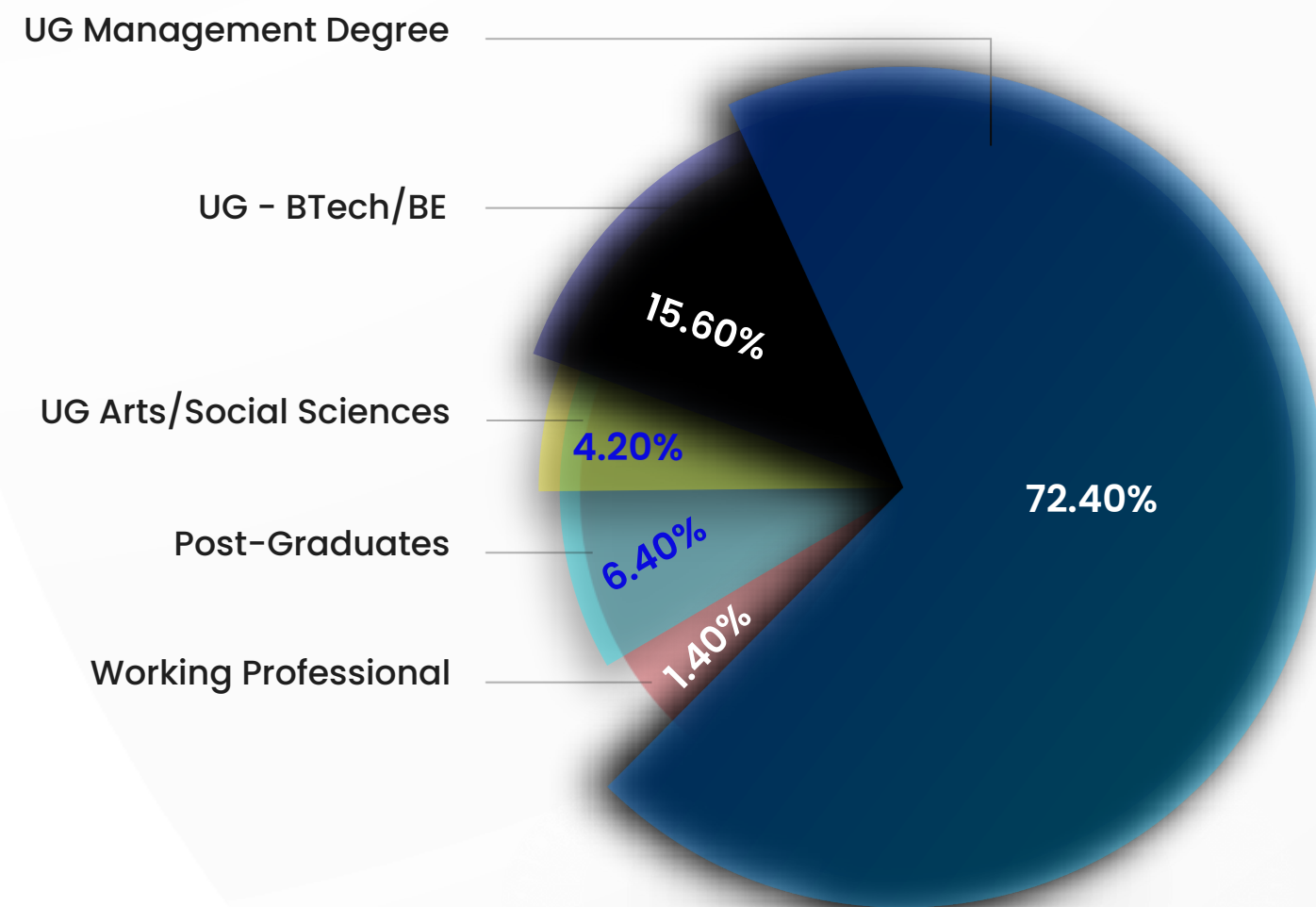
Project 4

Projects 5

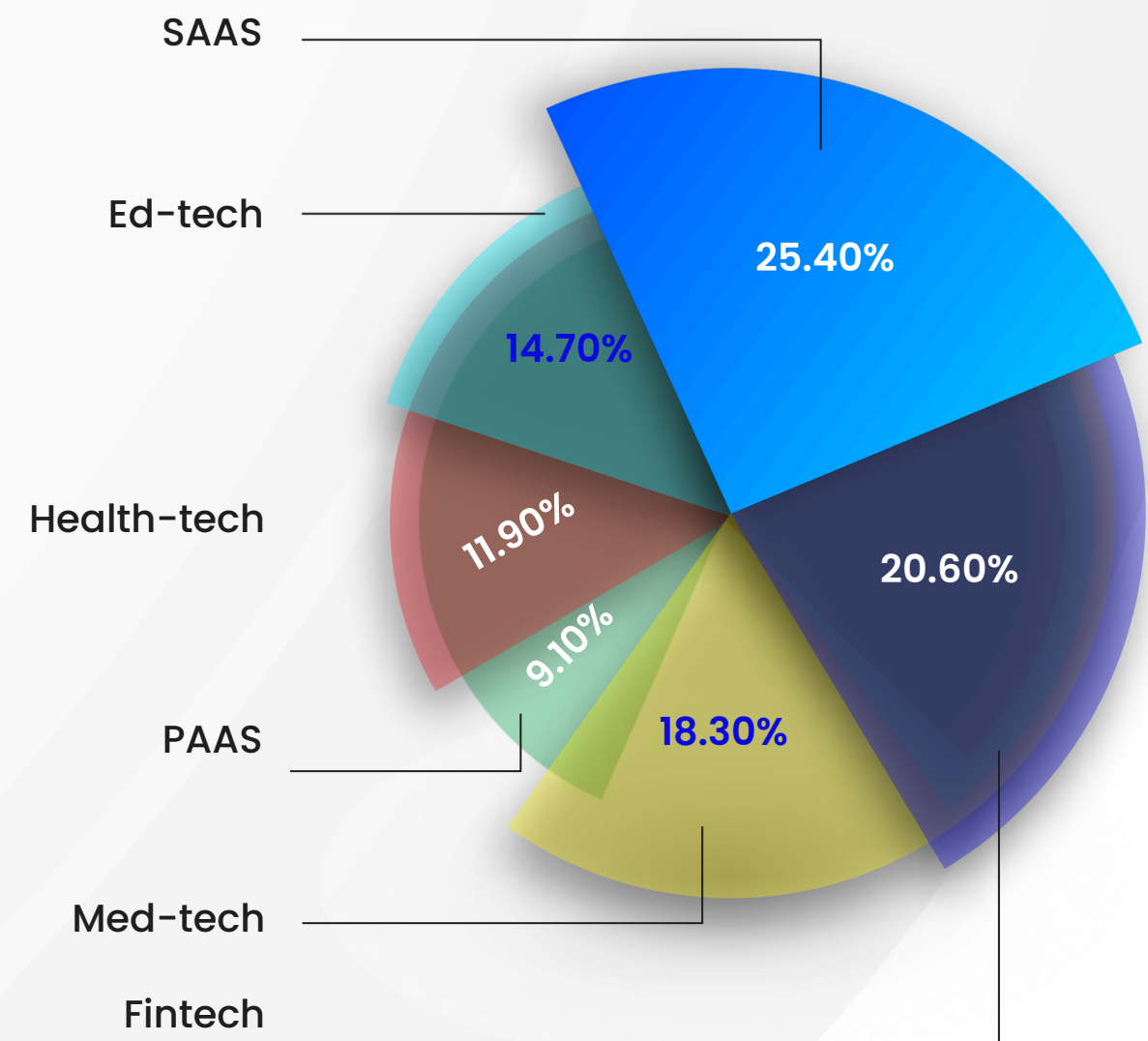
Projects 6



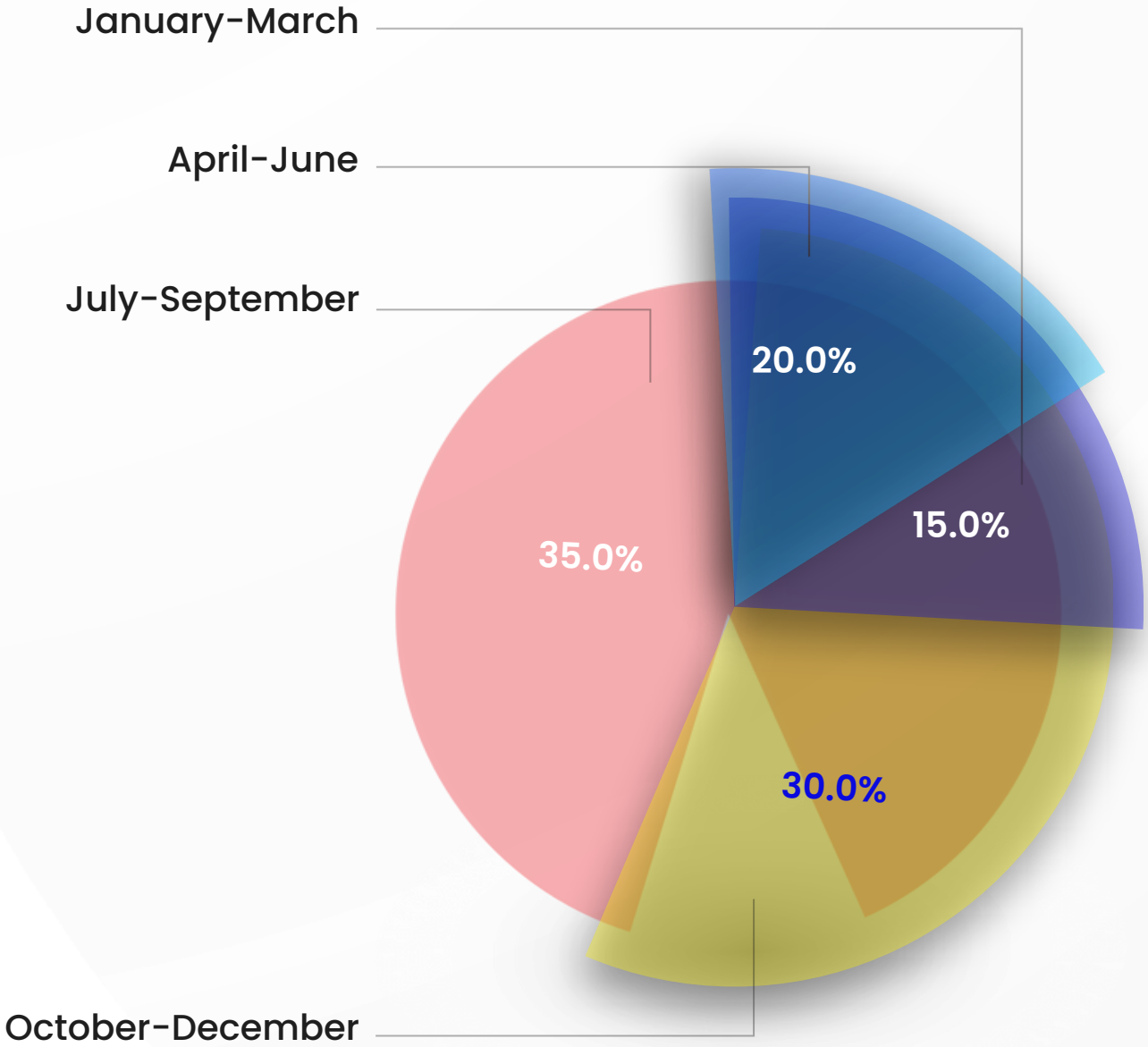
LEARNER'S BACKGROUND



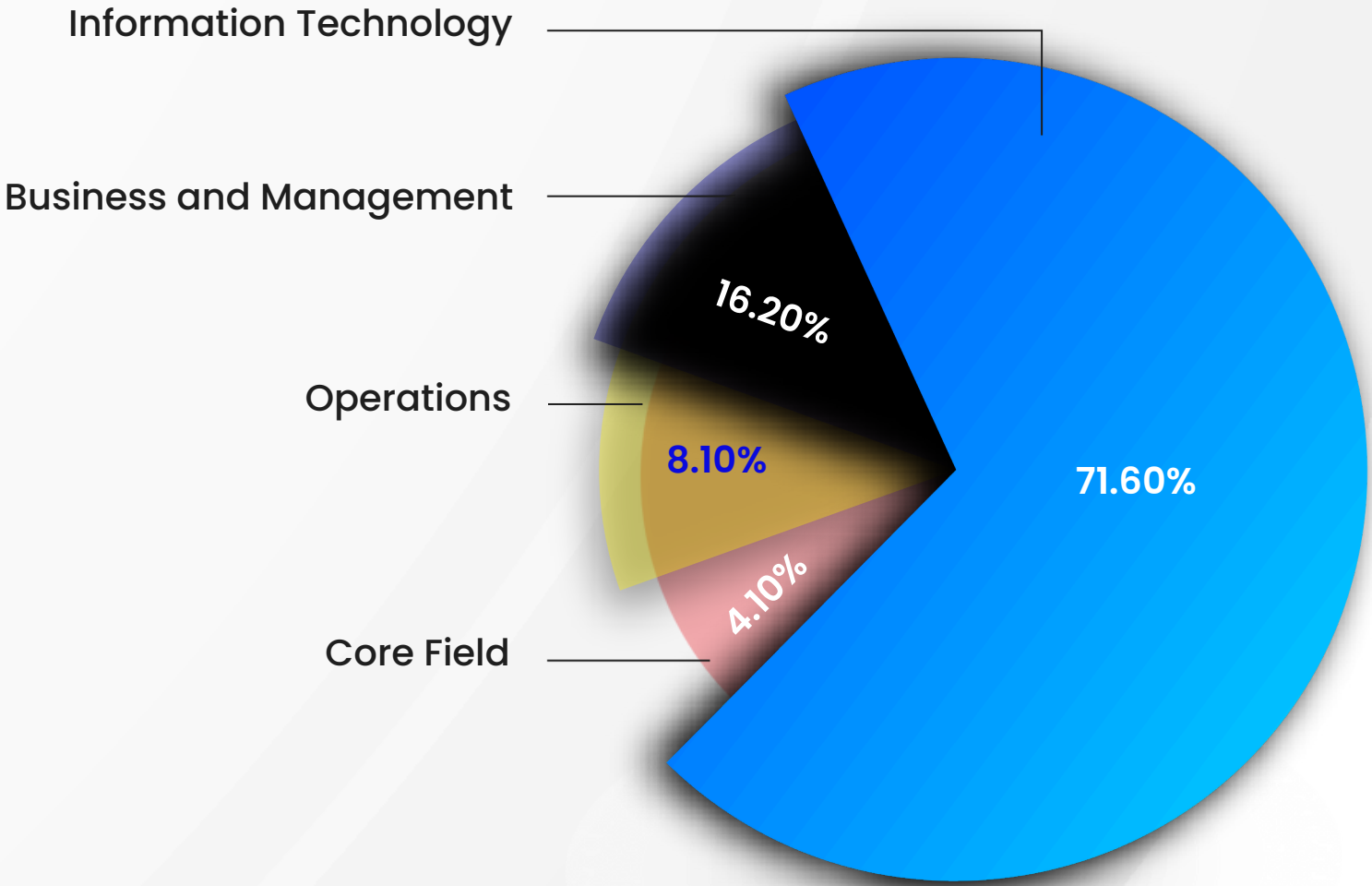
PLACEMENTS RATIO OFFERED AS PER INDUSTRY



QUATERLY PLACEMENT ANALYSIS REPORT



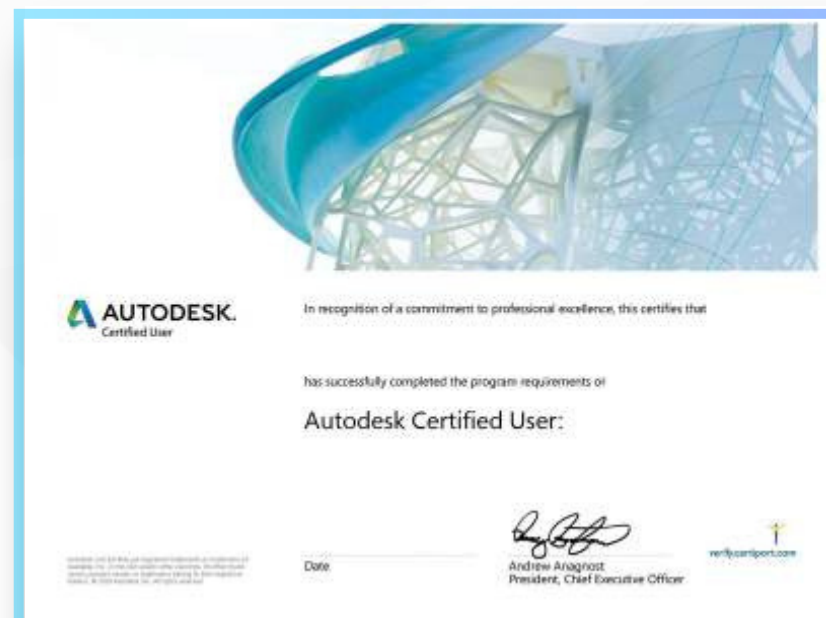
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