WELCOME TO
REFONTE

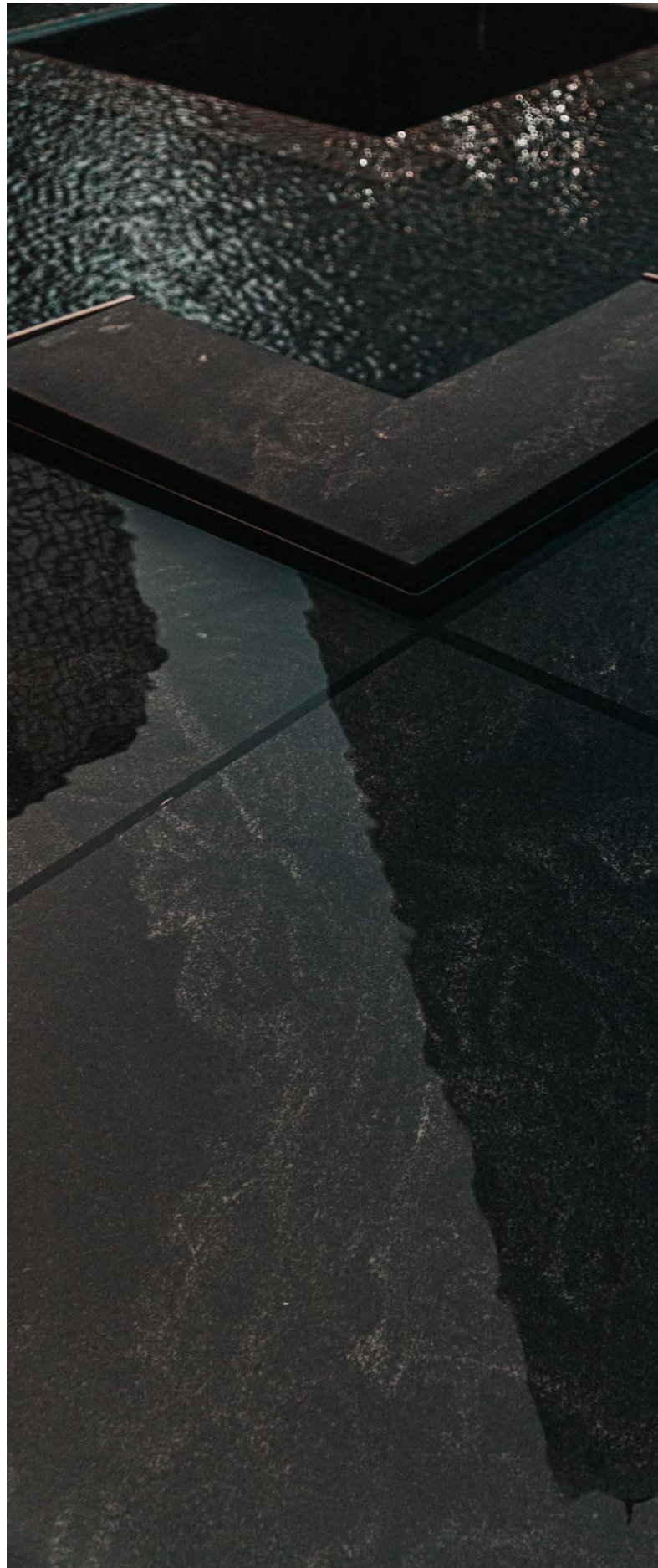Ai & Data Science

Refonte Learning

About

We are a leading IT company specializing in Ai and data science. We're excited to unveil our newest Data Science cohort, representing our continuous efforts since 2016 to develop a cutting-edge scientific trading robot based on Artificial Intelligence for the crypto currency futures market.

Our data science course is crafted for those who aspire to excel in data science, regardless of their background. Whether you're a seasoned data professional looking to enhance your skills or a beginner eager to enter the field. The curriculum provides an in-depth education spanning all facets of data science. We begin with fundamental concepts in statistics and probability theory to establish a solid groundwork for data analysis. Subsequently, we explore advanced topics including machine learning, data visualization, and programming languages such as Python.

REFONTE INTERNATIONAL TRAINING AND INTERNSHIP PROGRAM (RITIP) IN DATA SCIENCE and Ai

Elevate your technical expertise and propel your career forward with our tailored Professional Certificate in Ai and Data Science. Developed to align with current industry standards, this program is ideal for recent graduates seeking to delve into the field of data science. Through hands-on practical labs and real-world projects, you'll gain extensive exposure to master the fundamentals of Data Science. The RITIP offers an online format complemented by personalized mentorship, featuring live sessions, self-paced videos, and dedicated lab sessions.

Details of the course:

- Experience hands-on learning in Practical Data Science and Ai models.

- Engage in live classes held weekly.

- Access additional modules for a comprehensive learning experience.

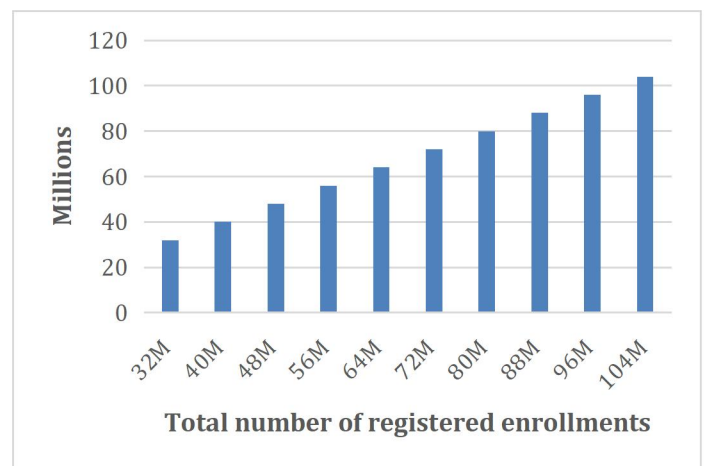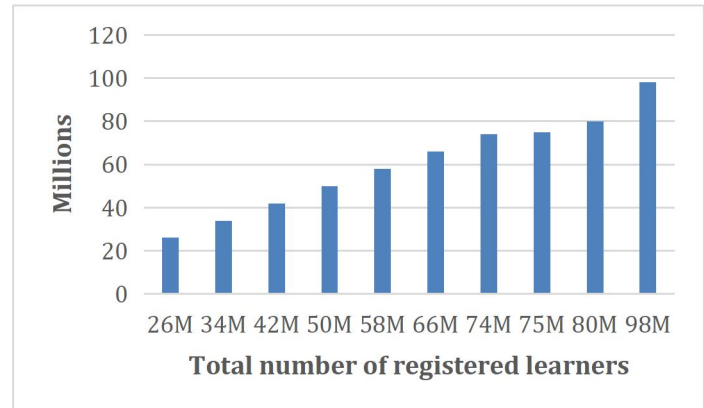- Gain practical experience through real-life case studies.

Registration

Registration is currently available for our newest Data Science cohort.

Seize this chance to enhance your skills and propel your career forward!

For further details and enrollment, please visit our website at refontelearning.com.

We anticipate your participation in our program!

Toolkit

GPUs, Nvidia A100, FPGAs, ASICs, CPU, RAM, Disk space, Network infrastructures, Datacenters, Public Cloud, AWS Cloud, GCP Cloud, Microsoft Azure Cloud, IBM Cloud, Alibaba Cloud & Huawei Cloud & Tencent Cloud & Baidu Cloud & AWS China & Azure China to bypass Great Firewall and Penetrate the Chinese Market, Yandex Cloud & Croc Cloud & Selectel Cloud & Cloud4Y & Linx Datacenter to Penetrate Russian Market, Private Cloud, On-premise Cloud, Quantum Servers, IBM Mainframe, Linux & Unix Servers, Microsoft Windows Servers Datacenter 2023, VMware Worstation, Virtualbox, Hyper-V, CI/CD Pipeline, Jenkins, Gitlab, Gitlab CI, Github, Github Actions, DockerHub, Docker, Terraform, Ansible, Kubernetes, Artifactory, JFrog Artifactory, XLRelease, XLDeploy, Nexus, Maven, Sonar, Sonarqube, Openshift, Nosql Database, MongoDB, Elasticsearch, Haddop, Spark, Mapreduce, SQL Database, PostgreSQL, Microsoft Sql server, Python 3+, C, C++, Java, XML, XLD, Script shell & bash, JSON, HTML 5, CSS 3, JavaScript, ReactJS, Angular, NodeJS, GraphQL, Rest API, SOAP API, FTP & SFTP connexion, SSH connexion, PuttY, MobaXterm, WinSCP, Postman, Control-M, AutoSys, Dollar Univers, Cronjob, Dynatrace, Jaeger, Prometheus, OpenTelemetry, ELK, Graphana, Splunk, Nagios, DataDog, Centreon, Kibana, OpsGenie, Slack, SLO, SLI, SLA, Swagger, SoapUI, Numpy, SciPy, Microsoft Excel, Jupyter notebooks, SkitLearn, matplotlib, pandas, Tableau, R, Matlab, Apache Kafka, RabbitMQ, Informatica, Talend, ML models, Deep Learning, Reinforcement Learning, Deep Reinforcement Learning, Collaborative Filtering Model, Multi-Armed Bandit Model, Foundation Models, GenAI Models, Retrieval Augmented Generation or RAG, OpenAI, GPT-4, Mistral AI_, Falcon 180B, MPT-7b, Anthropic, Google, Cohere, AI21 Labs, Stability AI, Meta Llama 2, FLAN-T5, UL2, GPT-J, GPT-NeoX, InterOperability, Transportability, Configuration made by a team of seniors DevOps/DevSecOps/Cloud engineers
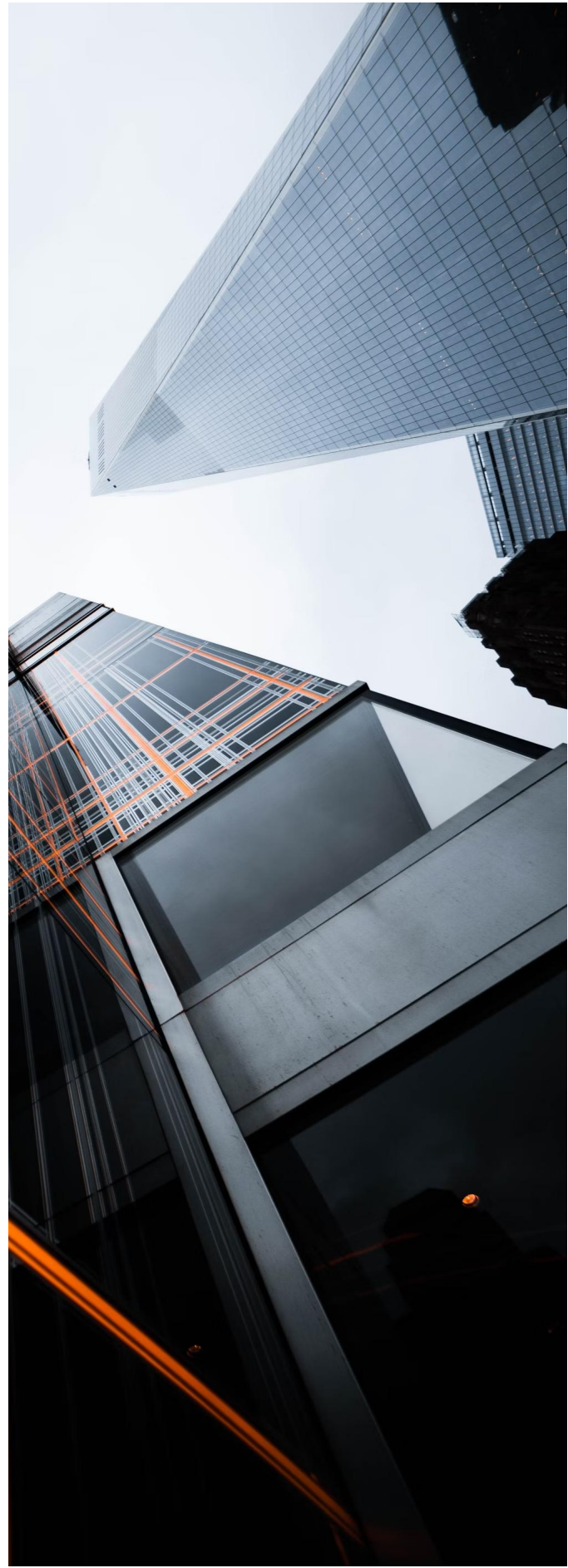
Toolkit Components:

Cloud Computing Infrastructures

- GPUs (Nvidia A100)

- FPGAs

- ASICs

- CPU

- RAM

- Disk space

- Network infrastructures

- Datacenters (Public, Private, On-premise)

- Quantum Servers

- IBM Mainframe

- Linux & Unix Servers

- Microsoft Windows Servers Datacenter 2023

Cloud Platforms:

- Public Cloud (AWS, GCP, Microsoft Azure, IBM Cloud, Alibaba Cloud, Huawei Cloud, Tencent Cloud, Baidu Cloud, AWS China, Azure China, Yandex Cloud, Croc Cloud, Selectel Cloud, Cloud4Y, Linx Datacenter)

- On-premise Cloud

Software Development & Deployment Tools:

- CI/CD Pipeline (Jenkins, Gitlab CI, Github Actions)

- Version Control (Gitlab, Github)

- Containerization (Docker, DockerHub)

- Infrastructure as Code (Terraform)

- Configuration Management (Ansible)

- Container Orchestration (Kubernetes, Openshift)

- Artifact Repository (Artifactory, JFrog Artifactory, Nexus, Maven)

- Static Code Analysis (Sonar, Sonarqube)

- Continuous Integration & Deployment (XLRelease, XLDeploy)

- Virtualization (VMware Workstation, Virtualbox, Hyper-V)

Programming Languages and Tools

- Python 3+

- C, C++

- Java

- XML

- XLD

- Shell scripting (bash, etc.)

- JSON

- HTML 5

- CSS 3

- JavaScript (ReactJS, Angular, NodeJS)

- GraphQL

- Rest API, SOAP AP

Networking & Communication:
- FTP & SFTP

- SSH

- Putty, MobaXterm, WinSCP

- Postman

- Control-M, AutoSys, Dollar Universe, Cronjob

Monitoring & Observability:

- Performance Monitoring (Dynatrace, Jaeger, Prometheus, OpenTelemetry)

- Log Management (ELK Stack - Elasticsearch, Logstash, Kibana)

- Visualization (Grafana, Tableau)

- Log Analysis (Splunk, Nagios, DataDog, Centreon)

Collaboration & Communication:

- OpsGenie

- Slack

Service Level Agreements & Quality Metrics:

- SLO (Service Level Objectives)

- SLI (Service Level Indicators)

- SLA (Service Level Agreements)

API & Testing Tools:

- Swagger

- SoapUI

- Postman

Data Science & Analytics:

- Numpy, SciPy

- Microsoft Excel

- Jupyter notebooks

- Scikit-Learn, Matplotlib, Pandas

- Tableau

- R, Matlab

Data Management & Processing:

- NoSQL Database (MongoDB, Elasticsearch)

- Big Data Technologies (Hadoop, Spark, MapReduce)

- SQL Database (PostgreSQL, Microsoft SQL Server)

- Stream Processing (Apache Kafka, RabbitMQ)

- ETL Tools (Informatica, Talend)

AI & Machine Learning:

- ML Models

- Deep Learning

- Reinforcement Learning

- Collaborative Filtering Model

- Multi-Armed Bandit Model

- Foundation Models

- GenAI Models

- Retrieval Augmented Generation (RAG)

- OpenAI (GPT-4, Mistral AI, Falcon 180B, MPT-7b, Anthropic)

- Other AI Platforms (Google, Cohere, AI21 Labs, Stability AI, Meta Llama 2, FLAN-T5, UL2, GPT-J, GPT-NeoX)

Miscellaneous:

- Interoperability

- Transportability

Program Curriculum:

- Eligibility:

  - Mandatory: Bachelor's Degree (in any field) with a minimum 50% aggregate score at Graduation.

- Duration: 3 Months Weekly

- Time Commitment: 12-14 Hours per Week

Training Learning Path

- ➤ Statistical Modeling
- ➤ Python for Ai & Data Science
- ➤ Exploratory Data Analysis (EDA) and Data Visualization
- ➤ Machine Learning and Predictive Modeling
- ➤ Deep Learning Methods & Techniques
- ➤ Techniques for Model Optimization & Problem Solving
- ➤ Large Language Models (LLMs) and GPT
- ➤ Application of Skills to Industry Projects

Data Science Capstone Projects:

- Finance Fraud Detection

- Recommender System Development

- Sentiment Analysis Implementation

- Chatbot Creation

- Text and Image Analysis

- Image Processing and Machine Vision Applications

Internship Duties and Responsibilities

- Utilizing machine learning and deep learning methodologies to extract predictions from extensive datasets across diverse domains such as finance, retail, education, and multimedia.

- Leveraging Python expertise to process massive volumes of text, image, and audio data, solving intricate business challenges like image classification and sentiment analysis through algorithms like Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN), and Gated Recurrent Units (GRU).

- Identifying consumer issues through data mining of interaction records and understanding their root causes.

- Implementing cutting-edge modeling technologies like Bayesian inference to design rigorous scientific tests aimed at optimizing model performance.

- Collaborating with a team of specialized professionals, including researchers, developers, and architects, to construct robust machine learning pipelines tailored to various scenarios encompassing commerce, financial markets, and procurement.

- Engaging with internal stakeholders to explore and comprehend business data, formulating and testing hypotheses to assess business strategies' effectiveness and impact through methodologies like T-test.

- Mastering and applying advanced analytical techniques utilizing tools such as Tableau.

- Creating comprehensive reports and presentations to communicate methodologies, processes, and results effectively.

- Emphasizing the importance of ethical conduct and fostering soft skill development throughout the organization.

Domain of Internship Projects

- E-commerce and Retail
- Web and Social Media Analytics
- Banking and Stock Market
- Supply Chain and Logistics Analytics
- Healthcare and Insurance
- Finance and Risk Analytics

Our program encompasses a diverse array of projects tailored to offer hands-on experience and cultivate skills highly sought after by employers. This entails engaging in projects that mirror real-world situations, enabling students to acquire practical experience and hone skills highly prized by employers.

Program Structure

Introduction Session

LinkedIn Profile Development and Personal Bonding Session

Core Training and Internship Projects

Resume Building Workshop

Closing Session

Distribution of Resumes to Companies

CERTIFICATE OF COMPLETION FOR OUR TRAINING PROGRAM

CERTIFICATE
OF APPRECIATION

This certificate is presented to:

John Doe

This certificate is given to John Doe for achieving his training in
Data Analysis in UK under Refonte Learning

REPRESENTATIVES

DATE: 01-01-2024
RLTPXXXXXXX

SAMPLE INTERNSHIP CERTIFICATE

CERTIFICATE
OF ACHIEVEMENT

This certificate is presented to:

John Doe

This certificate is given to John Doe for achieving his training in
Data Analysis in UK under Refonte Learning

REPRESENTATIVES

DATE: 01-01-2024
RLTPXXXXXXX

Frequently Asked Questions:

Q: How long is the program duration?

A: The program spans a 3-month training and internship period.

Q: Will participants receive a certificate upon completion?

A: Yes, participants will be awarded a certificate for both the training and internship phases.

Q: Is the internship paid?

A: No, the internship is unpaid.

Q: Will participants receive mentorship?

A: Yes, participants will receive personalized 1:1 mentorship.

Q: What industries will participants work with during the internship?

A: Participants will have the opportunity to collaborate with companies across various industries, depending on their skill set.

Q: Is there a fee for the training program?

A: Yes, a minimal fee is required for participation in the training program.

Q: What is the program format?

A: The program comprises a blend of training sessions and internship experience, supplemented by 1:1 mentor-ship.

REFONTE LEARNING SUPPORT

Student Support Team:
- Our dedicated Student Support team is available around the clock, 7 days a week.
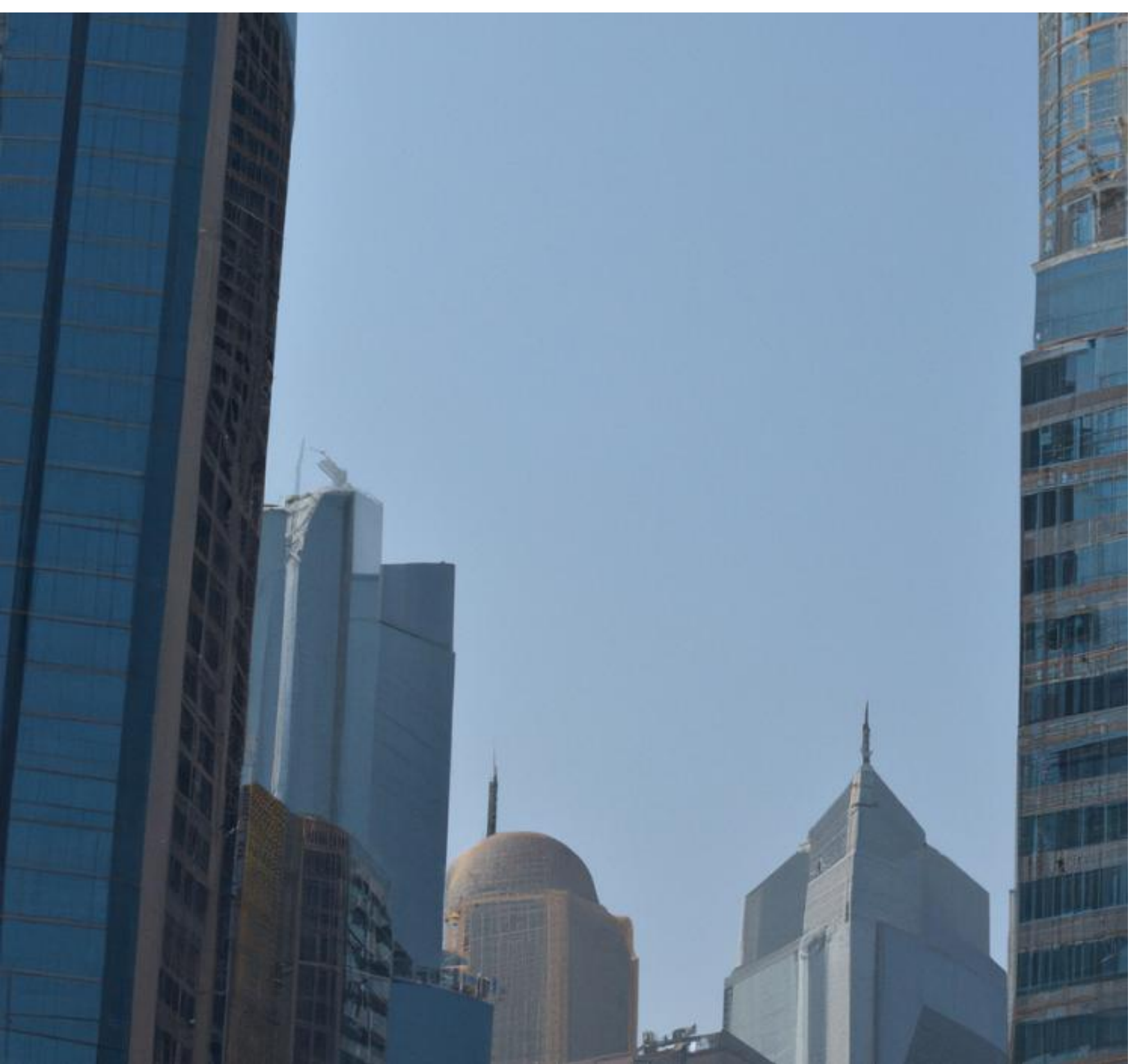- Feel free to reach out to us anytime at official@refonteinfini.com.

Industry Mentors:
- Benefit from exceptional guidance provided by industry mentors, teaching assistants, and graders.
- Receive individualized feedback on your submissions and tailored guidance for improvement.

Doubt Resolution:
- Utilize our Q&A Forum for prompt resolution of doubts by industry experts and peers.
- Rest assured, all responses are expert-verified to ensure the highest quality of learning.

Expert Feedback:
- Receive personalized expert feedback on assignments and projects.
- Engage in regular live sessions conducted by experts to address any concept-related doubts you may have.

CONTACT US

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REGISTER NOW!

Refonte Learning