



Enterprise
Data
Engineer



CADS

FUTURE PROOFING THE WORLD!

Enterprise Data Engineer

Be a master architect of an
AI-driven ecosystem.

APPLY NOW!

Instructor-led workshops
+ online learning.





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Be a master architect of an AI-driven ecosystem.

Commercial industries are increasingly utilizing data analytics technologies, techniques, and tools to make information-aware or data-driven business decisions.

Enterprise Data Engineers make real-time, responsive business data analytics possible. They enable data driven decision making by designing, building, scalling data processing systems and architecture in an organization.

Learning Outcome

Programs



Learn to design data models, build data warehouses, data lakes, automate data pipelines.



Understand the landscape of machine learning & implement machine learning in business applications.



Comprehend the principles, techniques, and practices relevant to JavaScript programming.



Reveal the hidden treasures stored in nodes and the relationship between databases.



Have the skill to the implementation of NoSQL databases.



Maintain a clean, accurate, structured data for complex data analytics and machine learning applications.



Develop and deploy database for organizations to store valuable business data.





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Expand and scale with a foundation in **data engineering**.



The world has never seen a time where data was as important and lucrative. Data engineering is the foundation for data science initiatives. It provides a means of preparing, building and integrating tools with complex datasets in order to produce insights from them ultimately leading towards more agile and data-driven cultures.

Data engineers are the key people who optimize data towards usability for faster analytics. As the data ecosystem is securely guarded by data governance set forth by the data engineering team, leaders get peace of mind while taking advantage of data-driven insights for business decision making.

The Enterprise Data Engineer is a 244 hours data specialist certification program that super charge data engineers with essential technical skills to master the fundamentals of data engineering. Trained data engineers ensure that data needed for any AI system and application are readily available.

Upon completion of this program, the candidate will walk away with skills to effectively build and scale the architecture and engine behind the AI-powered applications.



**Progress forward
into the future.**



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Course Outline

Relational Database Design

Covers the design of databases and advanced level of SQL.

Learn about database design, how to define structure, advanced SQL syntax, Data Definition Language (DDL) in SQL.

Introduction to Machine Learning

A thorough understanding of relevant algorithms to use. You will be able to train & tune models on multiple data sets performance.

NoSQL Essential

Learn about NoSQL databases and skill to implement NoSQL databases, especially MongoDB.

Big Data Analytics with Apache Spark

Learn how to develop Spark applications & implement big data processing pipelines.

Graph Databases

Learn about data persistence and Neo4J and how to work with nodes, work with Cypher, to modify, create through provided code challenges.

Extract Transform Load (ETL)

Learn about ETL tools (Extract, Transform, Load) see the process of extracting, transforming, and loading data in mining pipelines. provides hands-on ETL tools like Talend and create tasks on the Talend platform.

Javascript

Learn JavaScript in data visualization. From basic syntax, to advanced visualization frameworks.

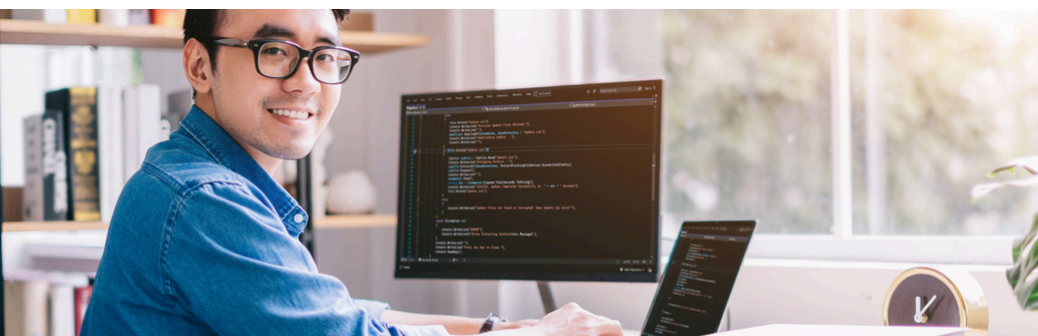
NoSQL Essential 2

learn how to create and execute programs, package management, version control for codes + an introduction to data cloud-based solutions.

Capstone

Implement data engineering projects with skills learned from the Enterprise Data Engineer program.

Learn to implement models and solutions to data science problems independently.





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SCAN ME!



YAYASAN PENERAJU FINANCING SCHEME



SILVER PACKAGE WITH
FLEXIBLE FINANCING



MAXIMUM FINANCING
UP TO RM 15,000.00



INTEREST

Eligibility Criteria:



Bumiputera status



Malaysian citizen



Minimum age requirement is
16 years old or older



Must have an active individual
bank account in Malaysia

Silver Flexible Highlights:



Training / Tuition fee



Professional / Examination fee



Monthly Allowance*



Repayment*

0%

*Silver Package - Talent may be eligible for zero repayment, subject to the Terms and Conditions. Please refer to Peneraju.org for further details.



Scheme's limit for reapply*

One-time only



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Build Data Driven Organization™

Start with a data literate workforce.

CADS AI is a skills Intelligence platform™ that monitors the digital maturity of an organization and prepares the organization with the skills required to be successful in their digital journey.

CADS empowers organizations towards digital transformation with skills intelligence.

Our enterprise solution for data literacy skills development purposely built up accelerate data-driven maturity of organizations by building institutional data literacy skills.



Vision

Future proof the world by improving data literacy of economies.

Mission

Accelerate data-driven maturity of organizations by building institutional data literacy skills.

BUILD DATA DRIVEN ORGANIZATION



Businesses of the next decade can gain unparalleled advantages through data, analytics and artificial intelligence.

BRIDGE WORKFORCE DATA LITERACY SKILLS GAP



Unlock the ability to transform data into meaningful intelligence.

DEVELOP FUTURE-READY WORKFORCE



Develop people-focused transformation roadmap to scale and expand business locally, regionally and internationally.

We work with ambitious organizations from Fortune 500 companies and market leaders in banking, oil and gas, and government sectors in ASEAN to build data literate talents.



Testimonials

- 100% of participants from a tracer study agreed that the program would benefit the state's ambition to be a digital & data-driven state.
- Supervisors of participants provided a weighted average of 4.08 over 5.00 in the agreement that the program enhanced employees' knowledge and skill in their workplace.
- 100% of supervisors agree that the program had increased productivity levels & quality of work after program completion.
- 100% of the supervisors would recommend the program to other employees and agencies.

Post-program tracer study, state government agency, Malaysia



I didn't know that Big Data itself is huge. At least I know how to optimize and utilize data better now!

Nur Amira Binti Zamri, Executive, Culture & Engagement, UMW



Overall, the training program gives me a new sight of data in the corporate world. The training structure was approachable and comprehensive.

Sharon A/P Sathiyavoo, MIDF



This program gives me valuable knowledge and experiences to solve real-world problems with technology. At the same time, it also helped me to upskill and prepare me for my career advancement.

Siratol Azrina Binti Mahisar, TM



Learned about Cloud, Hadoop ecosystem HDFS, Managing Big Data Software... which is helped me to enhanced my knowledge & improved my skills in order enroll myself into future projects.

Sri Thiba Nathan a/I Chellamuthu, RHB



For the members of the Malaysia Board of Technologists (MBOT), 78 CPD hours will be awarded upon completion of the Associate Enterprise Data Analyst (AEDA) certification course.

We tailor & develop specialized skills development training program for all levels of workforce. All of the programs are HRDF claimable.

- Data-driven leadership
- Data-driven culture development
- Forming a data science team
- Data-driven organization roadmap

