Grant Thornton

Artificial Intelligence and Data Lab

Our **AI and Data Lab** focuses on developing artificial intelligence, data modelling and analytics solutions to clients, based on their unique needs and requirements. Leveraging a deep understanding of the latest technologies and methodologies, we tailor our approach to each project, ensuring that our solutions not only meet but exceed our clients' expectations.

Our services:

We develop custom solutions that fit your needs and requirements. Whether you need analytics and visualisation, data modelling and warehousing or complex algorithms for classification, forecasting, anomaly detection, clustering or generative solutions, we can help!

Data analytics and Business Intelligence

Our approach integrates descriptive, prescriptive, and predictive analytics to uncover insights within your data and predict future trends for enhanced decision-making and strategic growth

Artificial Intelligence and Gen AI

We develop Artificial Intelligence algorithms, including Machine Learning, Deep Learning and Generative AI using advanced Large Language Models (LLMs)

Data analytics and business intelligence
- Descriptive, prescriptive analytics
- Predictive analytics and forecasting
- Data visualisation and reporting
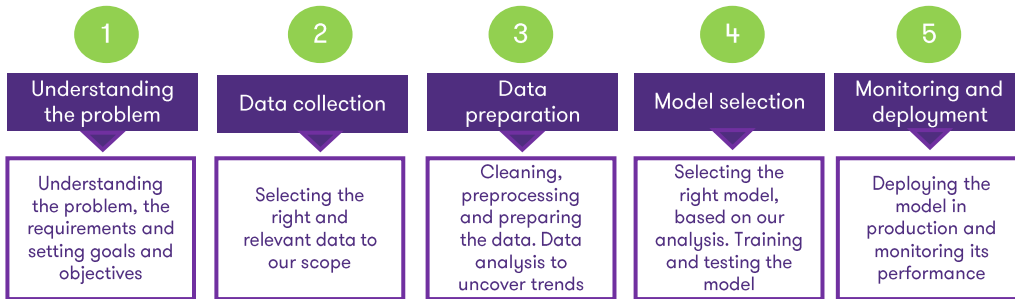
Artificial Intelligence
- Customer segmentation
- Dimensionality reduction
- Data classification
- Anomaly detection
- Regression analysis
- Text mining and cognitive search
- Generative AI

Other services
- Process automation (chatbots, RPA tools, custom applications)
- Data warehousing and reporting
- Designing Data, AI and Governance frameworks and implementation

1 Understanding the problem
Understanding the problem, the requirements and setting goals and objectives

2 Data collection
Selecting the right and relevant data to our scope

3 Data preparation
Cleaning, preprocessing and preparing the data. Data analysis to uncover trends

4 Model selection
Selecting the right model, based on our analysis. Training and testing the model

5 Monitoring and deployment
Deploying the model in production and monitoring its performance

Process automation and optimisation

We automate internal processes by utilising tailored automation tools, no-code/low code platforms and optimisation algorithms, designed to enhance efficiency and streamline workflows.

Data management, warehousing and reporting

Extract, Transform, Load (ETL) processes and solutions for smooth data integration across various systems. Our expertise lies in constructing databases and data warehouses that consolidate disparate data into a singular, centralised system.

Trainings and upskilling

From foundational Data and AI concepts to advanced techniques, we equip your team with the tools to drive innovation and adapt to emerging technologies, fostering a culture of continuous learning and growth.

Tools

Python · Azure · Power Automate · Keras · IBM · Power Pages · OpenAI · Microsoft SQL Server · Power Virtual Agents · Qlik · PyTorch · alteryx · R · Power Apps · snowflake · Power BI · tableau · Dataverse

Contact us:

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