

Online Training Degree

techclass

Master of Science in

# Artificial Intelligence and Christian Ethics



In Association with

# About the Degree

Immerse yourself in our pioneering Master of Science program, where artificial intelligence meets ethical understanding. Begin by unlocking the essentials of machine learning, a cornerstone for any AI professional. Then, transition to the strategic application of data analytics in business, where decision-making is informed by deep data insights. The program also offers a unique exploration of Christian ethical perspectives in AI, enriching your professional and personal growth.

Your journey culminates with a Capstone Project, a real-world application of your comprehensive AI skills, from development to presentation, rooted in ethical principles.



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[techclass.link/V1531](https://techclass.link/V1531)



*Transforming the AI Landscape  
with Ethical Leadership and  
Advanced Skills*

# Tracks and Modules

## Track 1



### Module 1.1

Fundamentals of Machine Learning



### Module 1.2

Data Analytics and Business Decision Making



### Module 1.3

Optional Christian and Faith Studies

## Track 2



### Module 2.1

Scale-up Your Business with AI



### Module 2.2

Fundamentals of Business Intelligence



### Module 2.3

Microsoft Power BI

## Track 3



### Module 3.1

Capstone Project: Preparation and Implementation



### Module 3.2

Capstone Project: Documentation and Presentation

# Fundamentals of Machine Learning

Unlock the true potential of machine learning with this extensive training, covering essential concepts, frameworks, and an array of algorithms. Dive into practical applications, linear regression, logistic regression, K-NN, decision trees, and neural networks. Gain expertise in data preprocessing, clustering algorithms, dimensionality reduction, and model selection.

This training paves the way for your success in the ever-evolving and exciting world of machine learning, empowering you with the knowledge and skills to excel.



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## Main Training Areas

- ➔ Machine Learning Types
- ➔ Popular Regression Algorithms
- ➔ Essential Classification Algorithms
- ➔ Unsupervised Learning Algorithms
- ➔ Foundations of Data Preprocessing
- ➔ Model Development Essentials

# Data Analytics and Business Decision Making

Boost your decision-making skills with our Data Analytics training. Get to grips with data in its many forms, venture into the depths of statistical analysis, and become comfortable with key probability concepts. Engage in practical learning with a variety of data visualization techniques. Explore the world of databases and pick up essential SQL skills. Uncover the exciting intersection of AI and Data Analytics, and learn how to present results effectively but without overstatement.

This training is carefully designed to build your skillset, setting you on the path to success in the ever-evolving world of data analytics.

## Main Training Areas

- ➔ Understanding Data Analytics Essentials
- ➔ Exploring Data Transforming
- ➔ Applying Statistics in Data Analysis
- ➔ Leveraging AI for Data Analytics
- ➔ Unleashing Insights with Data Description
- ➔ Exploring Data Visualization



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## Module 1.3 **Optional Christian and Faith Studies**

This program offers a range of Optional Christian and Faith Studies, designed to enrich your educational experience. These trainings are thoughtfully crafted to cater to diverse interests and perspectives. Whether you choose to explore a single topic or immerse yourself in multiple areas, these studies provide a valuable opportunity to deepen your understanding of faith-based principles and their application in the modern world.

Below this section, you will find a comprehensive list of available courses, each offering unique insights and learning experiences.

### Optional Trainings to Select



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# Module 2.1 **Scale-up Your Business with AI**

Discover the power of AI in business with our "Scale up your Business with Artificial Intelligence" training. Designed for entrepreneurs, professionals, and those eager to harness the potential of AI, this comprehensive training covers data science, machine learning, deep learning, and AI-based services. Learn the ethical considerations, business intelligence, and cutting-edge tools to maximize efficiency and growth. Explore the roles in data-driven companies and how to present your results effectively.

Unleash the full potential of AI and transform your business into a powerhouse, ready to tackle the challenges of the modern world.



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## Main Training Areas

- AI-Driven Business Transformation
- Machine Learning for Business Growth
- Accelerating Success with Deep Learning
- Natural Language Processing Solutions
- Ethical AI for Sustainable Development
- Business Intelligence and Data Science

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## Module 2.2 **Fundamentals of Business Intelligence**

Elevate your understanding of business intelligence with this engaging training designed to provide a strong foundation in the field. Discover the basic concepts, stages, and significance of business intelligence in the modern world of data. Learn essential statistical concepts to boost your analytical capabilities. Acquaint yourself with prominent BI tools like Excel and Power BI, databases such as MySQL and SQL Server, and storage solutions like DynamoDB and MongoDB.

Dive into the realm of visualization, data science topics, and the data science pipeline for a well-rounded learning experience.

### **Main Training Areas**

- ➔ Business Intelligence Fundamentals
- ➔ Data Warehousing and Mining
- ➔ BI Tools and Visualization
- ➔ Data Science in Business Intelligence
- ➔ Data Collection and Analysis
- ➔ Applied Business Intelligence Strategies



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## Module 2.3 **Microsoft Power BI**

Immerse yourself in our thoughtfully designed online training on Microsoft Power BI, where you'll delve into the core concepts of business intelligence, analytics, and data analysis. Learn how to import and transform data from multiple sources using Power BI Desktop and Power Query Editor. Develop proficiency in combining queries for comprehensive analysis.

Acquire hands-on experience in data modeling, visualization, and dashboard creation. Collaborate effectively on Power BI projects with your team. Equip yourself with the skills needed to excel in today's fast-paced, data-centric business environment.

### Main Training Areas

- ➔ Data Import and Transformation
- ➔ Advanced Data Visualization Techniques
- ➔ Power BI Data Modeling
- ➔ Interactive Reports and Dashboards
- ➔ Power BI Collaboration and Sharing
- ➔ Business Intelligence Fundamentals



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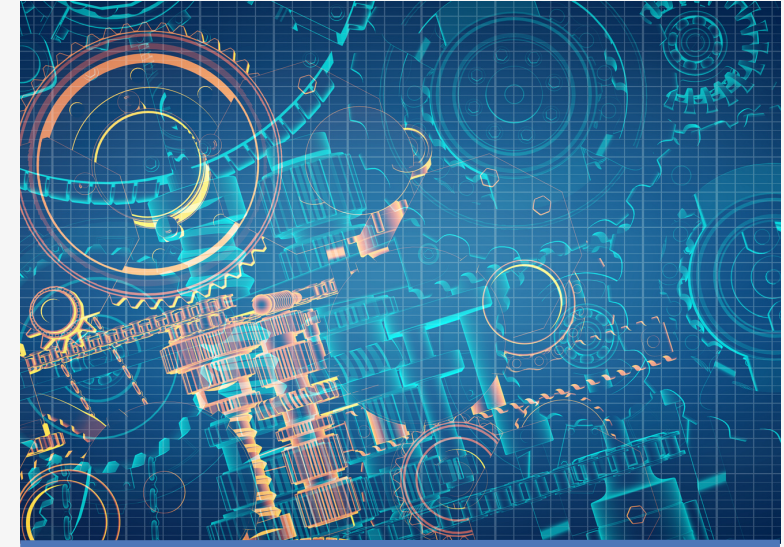
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## Modules 3.1, 3.2 **Capstone Project**

The Capstone Project, a cornerstone of this degree program, encompasses four pivotal stages: Preparation, Documentation, Implementation, and Presentation. It serves as an integral platform where students apply their accumulated knowledge in a real-world context. Starting with thorough planning in the Preparation stage, progressing to detailed recording in Documentation, and then moving to the practical execution in Implementation, the project culminates in a comprehensive Presentation.

This endeavor not only reflects the student's academic growth but also primes them for future professional challenges.



### **Capstone Project Tasks**

- Preparation
- Documentation
- Implementation
- Presentation

# Training Audiences



- **Business leaders and entrepreneurs** aiming to integrate ethical AI practices into their companies.
- **Technology professionals and engineers** looking to enhance their AI skills with a strong ethical foundation.
- **University students and recent graduates** aspiring to specialize in AI, with an emphasis on Christian ethics.
- **Educators and academic researchers** interested in the intersection of artificial intelligence and ethical frameworks.





# Your Learning Journey

*Maximize Your Potential through  
TechClass Dynamic Learning*



## Self-paced Learning

Your Personalized Path to Success



## Interactive Video

Engaging Digital Experiences



## Expert Insights

Short Lessons, Big Impacts



# Training Support

## 01 Support Center

Our Support Center is here to help you succeed. Count on us to guide you through any challenges so you can focus on reaching your goals.

## 02 Discussions

Have questions or need help with training content? Simply start a discussion and get the support you need from your instructors or the community.

## 03 Q&A

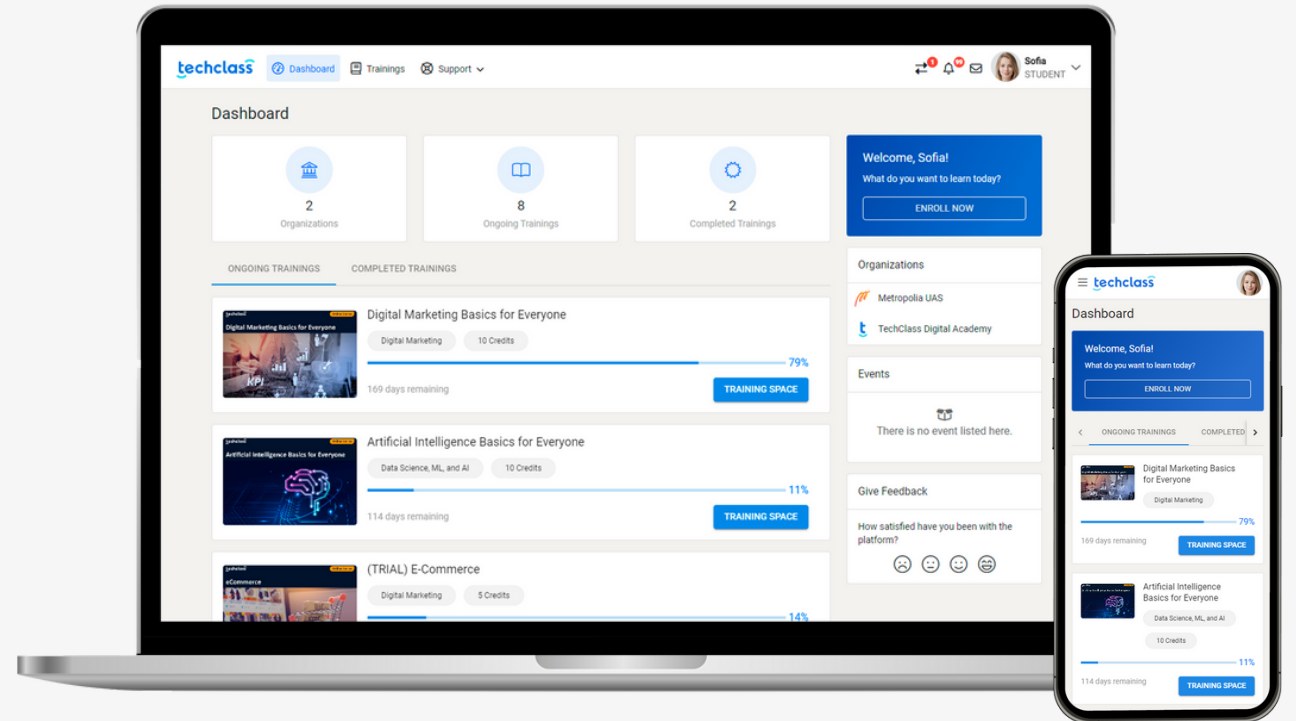
Get the answers you need and expand your knowledge with our Q&A section. Get insightful responses from your instructors and peers.

## 04 Peer Review

Become a better learner with the power of peer review. You can submit your tasks and receive thoughtful feedback from your classmates.

# TechClass LMS

*Designed to provide a dynamic, intuitive, and engaging learning experience. A learning environment to enjoy.*



## Personalized Learning



Tailored education that suits your unique needs.

## Simple



Ultimate learning solution, easy and intuitive.

## Community-first



Collaborative learning with peers and expert instructors.

## Anywhere, Anytime



Learn on your terms, from anywhere with internet access.

Read more: [techclass.link/lms](https://techclass.link/lms)





# Students Testimonials

*Hear from our students that how TechClass transformed their learning experience and helped them achieve their goals.*

**Elina Sumén**



Metropolia UAS

The training are easy to follow and covered a good amount of knowledge. I found the assignments very useful; it was great to use the knowledge in practice right away.

**Vladimir Miskovic**



Laurea UAS

TechClass is an intuitive, convenient and efficient online platform. It makes online learning easier and faster, especially when it comes to AI and programming.

**Anna Kurmaeva**



Laurea UAS

The platform is flexible and allows to do assignments at my own pace. The information is very well structured and leads a student throughout the studies.

**Csépke Csilla**



Metropolia UAS

The training were awesome. I am studying software development in aiukuisopisto, and I think TechClass courses helped me a lot to get the study place.



# Training Certificate

*Take your career to the next level with TechClass certification, and demonstrate your skills and knowledge to employers, clients, and peers.*



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## Certificate of Completion

This certificate is awarded to

**Julia Smith**

for successfully completing the  
**Master of Science in  
Artificial Intelligence and Christian Ethics**

Issue Date: 5 May, 2023  
Expiration Date: 5 May, 2025  
Certificate ID: dplVbe

  
Farhad Eftekhari  
CEO at TechClass



[certificate.techclass.com/dplVbe](https://certificate.techclass.com/dplVbe)

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# TechClass Digital Academy



## Mission


Career growth through accessible and practical education.

# About the Company

At TechClass, we're passionate about fueling your journey to success by being the premier provider of cutting-edge online learning solutions. Our mission is to empower individuals and organizations to unleash their true potential, transforming lives in the process. Harnessing the power of innovative technology, ground-breaking research, and best educational practices, we're dedicated to revolutionizing the learning landscape and fostering a world where education is accessible, inclusive, and equitable for all. Join us on this exciting adventure and equip yourself with the knowledge and skills necessary to thrive in our rapidly evolving, interconnected world.



  
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