Launched
Global

ARTIFICIAL INTELLIGENCE PROGRAM

MENTORSHIP

Your first step of transformation begins, here and now.

At Launched global, we provide transformative learning experiences to empower aspiring SaaS professionals. By nurturing a talented community, we close the gap between opportunity and aspiration, promoting leadership, innovation, and quality to shape the SaaS industry's future workforce.

Mission

To cultivate a community of SaaS professionals equipped with the skills to innovate and excel.

Vission

To shape the future workforce through transformative learning experiences

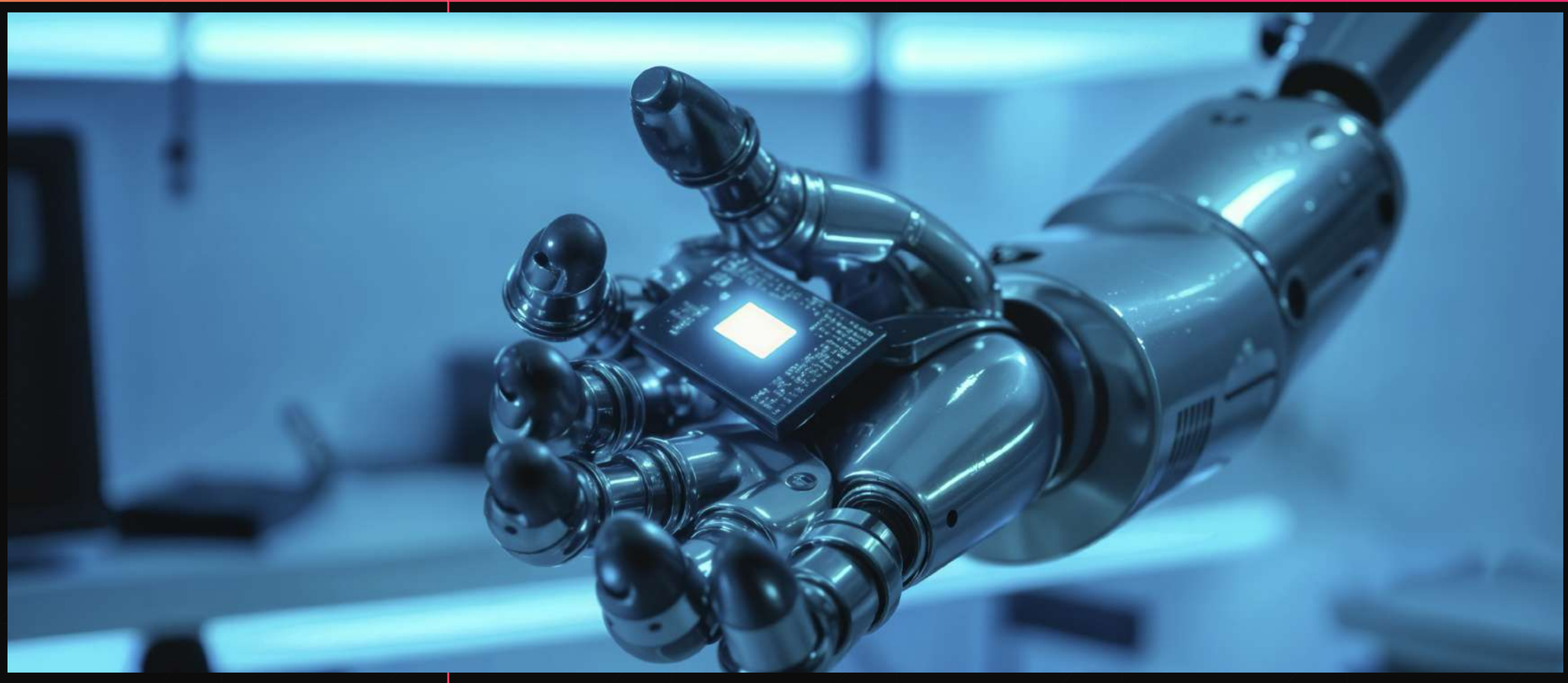
Lesson Plan

8 Weeks

Duration	Modules
Week 01	• Introduction to Artificial Intelligence (AI) • Overview of AI • History and evolution of AI • Applications of AI in various industries • Introduction to Python for AI • Setting up Python environment (Anaconda, upyter Notebooks) • Basic Python syntax and data structures (lists, dictionaries, tuples, sets) • python Libraries for AI • Introduction to NumPy and Pandas • Introduction to Matplotlib and Seaborn for data visualization • Data Preprocessing and Cleaning • Handling missing values, duplicates, and outliers • Data normalization and standardization • Exploratory Data Analysis (EDA) • Techniques for EDA • Visualizing data to identify patterns and trends Live Project 1: Data Cleaning and ED

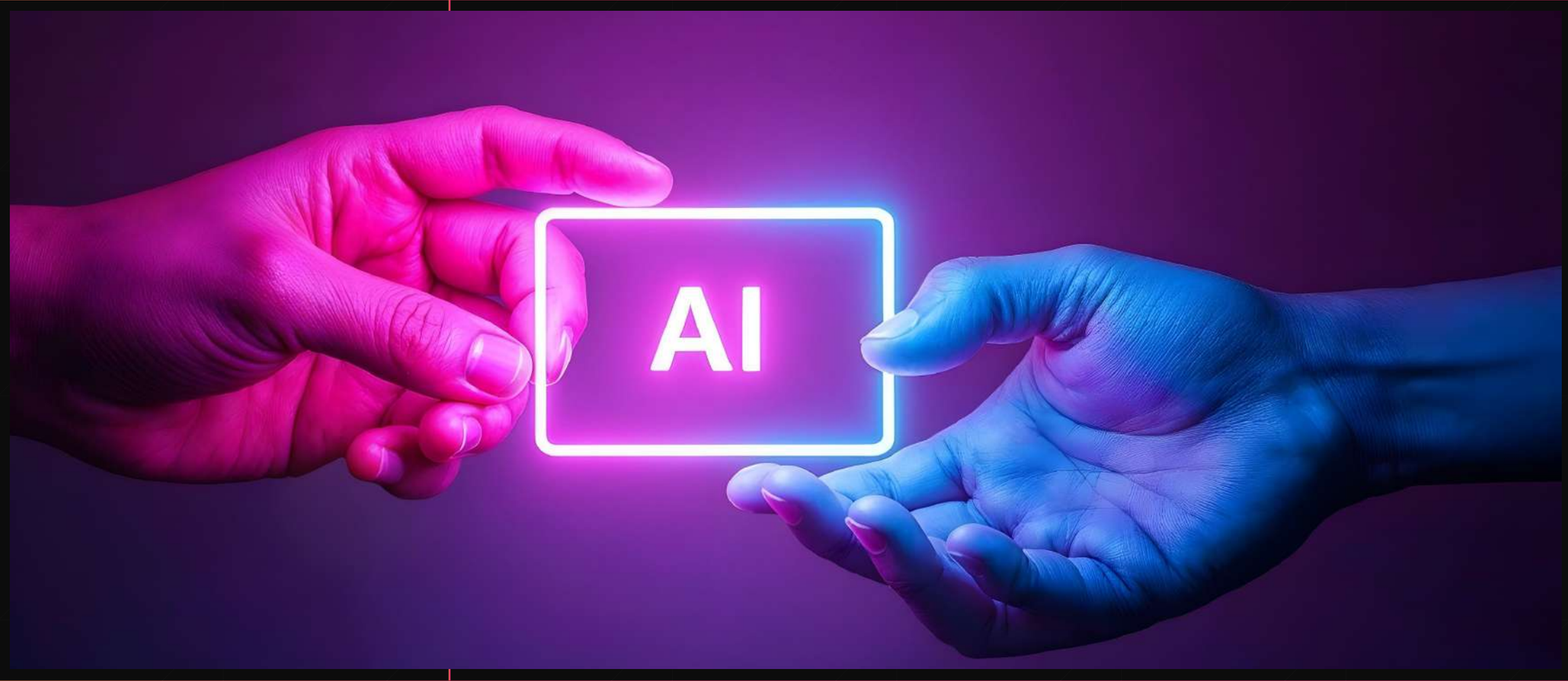
Duration	Modules
Week 02	• Introduction to Machine Learning • Overview of machine learning • Types of machine learning: supervised, unsupervised, reinforcement learning • Supervised Learning Algorithms • Linear regression • Logistic regression • Decision trees • Unsupervised Learning Algorithms • K-means clustering • Principal Component Analysis (PCA) • Evaluation Metrics for Machine Learning Models • Metrics for regression (MSE, RMSE, R-squared) • Metrics for classification (accuracy, precision, recall, F1-score) • Hyperparameter Tuning and Model Optimization • Grid search and random search • Cross-validation techniques Live Project 2: Building and Evaluating Machine Learning Models
	

Duration	Modules
Week 03	• Introduction to Neural Networks • Basics of neural networks • Activation functions, loss function • Deep Learning with Keras and TensorFlow • Building neural networks with Keras • Training and evaluating deep learning model • Convolutional Neural Networks (CNNs) • Understanding CNNs • Implementing CNNs for image classification • Recurrent Neural Networks (RNNs) • Understanding RNNs • Implementing RNNs for sequence data • Transfer Learning • Using pre-trained models • Fine-tuning models for specific tasks Live Project 3: Image Classification with CNNs and Transfer Learning

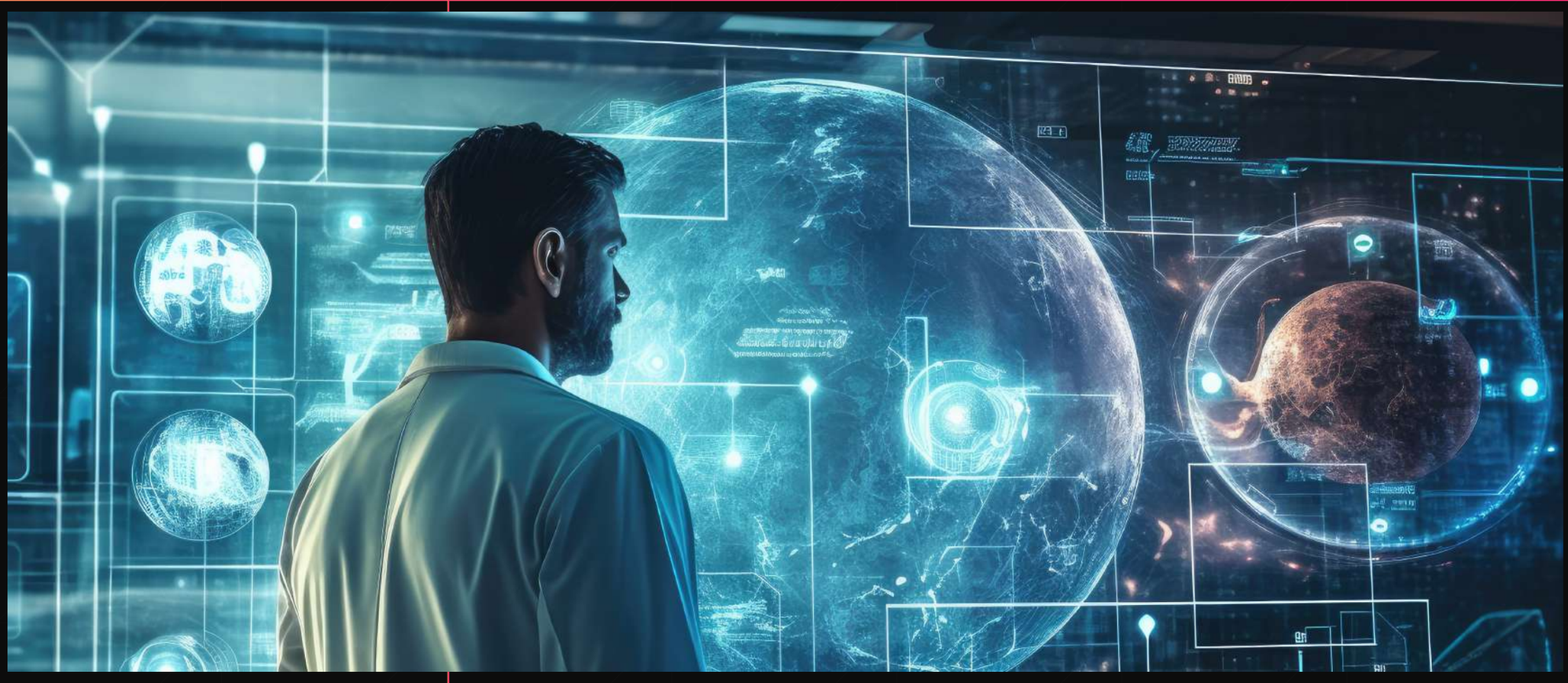


Duration	Modules
Week 04	• Natural Language Processing (NLP) • Introduction to NLP • Text preprocessing techniques • Text Classification and Sentiment Analysis • Implementing text classification models • Sentiment analysis with Python • Sequence-to-Sequence Models • Understanding seq2seq models • Implementing seq2seq models for machine translation • Generative Adversarial Networks (GANs) • Understanding GANs • Implementing GANs for image generation • Reinforcement Learning Basics • Introduction to reinforcement learning • Q-learning and deep Q-networks (DQNs) Live Project 4: Text Classification and GAN-based Image Generation

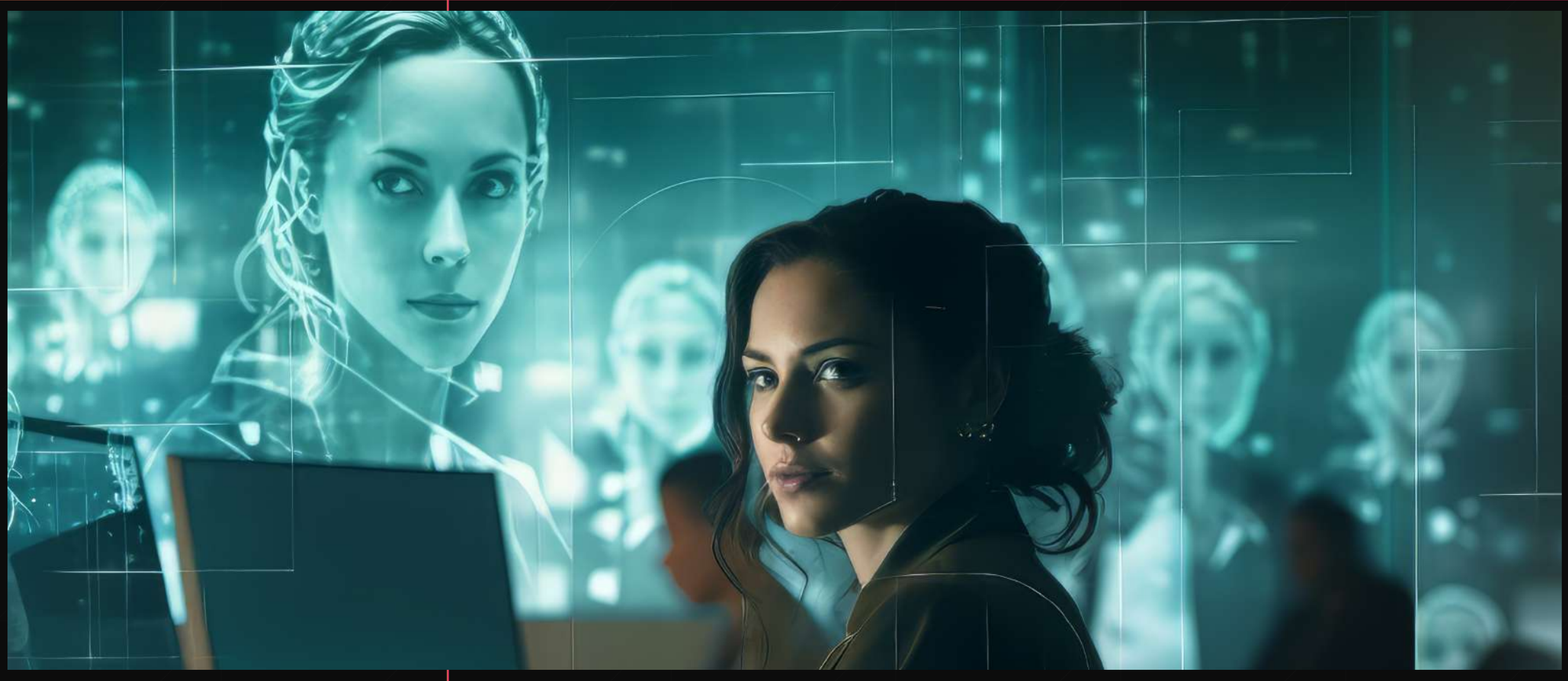
Duration	Modules
Week 05	• Advanced Deep Learning Techniques • Autoencoders • Variational Autoencoders (VAEs) • Attention Mechanisms and Transformers • Understanding attention mechanisms • Introduction to transformer models • Building AI Applications • Combining different AI techniques • Developing end-to-end AI applications • AI in Computer Vision • Object detection and recognition • Implementing computer vision models • AI in Natural Language Processing • Advanced NLP techniques • Implementing NLP models for chatbots • and translation Live Project 5: Developing an AI Application



Duration	Modules
Week 06	• AI in Healthcare • Applications of AI in healthcare • Case studies of AI in medical diagnosis • AI in Finance • Applications of AI in finance • Case studies of AI in trading and risk management • AI in Autonomous Systems • AI for autonomous vehicles and drones • Implementing autonomous system models • AI Ethics and Governance • Ethical considerations in AI • AI governance and regulations • Future Trends in AI • Emerging trends in AI research • Potential future applications of AI Live Project 6: Case Study on AI Applications in Healthcare or Finance



Duration	Modules
Week 07	• Introduction to Generative AI • Overview of generative AI concepts • Applications of generative AI • Using Generative AI for Data Augmentation • Techniques for data augmentation • Creating synthetic data with generative models • Prompt Engineering Basics for AI • Crafting prompts for AI models • Using generative AI for data analysis • Integrating AI-Generated Content into AI Projects • Using AI APIs for data generation and analysis • Practical examples of AI integration • Outcome-Driven Project with Generative AI • Developing a complete project using generative AI • Showcasing the final project Live Project 7: AI-Powered Data Augmentation

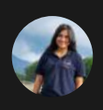


Duration	Modules
Week 08	• Advanced Techniques in Generative AI • Advanced generative models (GANs, VAEs) • Customizing generative models for specific tasks • AI-Driven Data Visualization • Using AI to enhance data visualization • Creating interactive and dynamic visualizations • AI for Automated Data Analysis • Automating data analysis tasks with AI • Using AI to generate insights and reports • No-Code Tools for AI • Overview of no-code platforms (e.g., DataRobot, Knime) • Building AI projects without coding • Outcome-Driven Project with No-Code Tools • Developing a complete AI project using no-code tools • Showcasing the final project Live Project 8: No-Code AI Project

Success Stories from those who've launched

Shravan Kumar
RV University

I have done machine learning course. The course provided me so many opportunities to apply what I was learning to real-world scenarios through projects and assignments. The hands-on approach made it so much easier to grasp complex topics and prepared me well for using these skills in my career.

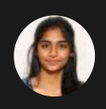


Simran Negi
Presidency University

The training and mentorship I received at Launched Global was a game-changer. My mentor not only guided me through real-world projects but also helped me build confidence in my skills. I'm now ready to tackle challenges in my career!

Saichander Kasthuri
SRM University

This program gave me hands-on experience and direct access to industry experts. I learned more in weeks than I had in months of self-study. It's been an incredible journey!



Vishnu Priya
Alliance University

Thanks to Launched Global, I've gained both technical skills and career insights. The combination of training and mentorship was exactly what I needed to feel prepared and motivated for my professional path.

Our Alumni work at

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