

SUMMER *Training*

Artificial Intelligence & Machine Learning using Python



SUMMER 2023

AI is rapidly advancing, with breakthroughs and applications emerging daily in robotics, machine learning, and computer vision. The major fields witnessing recent developments are healthcare, programming, education, finance, construction, transportation, entertainment, legal, real estate, space exploration, and retail.

The advancements are encouraging the automation of AI and, thus, artificial intelligence and the future of humans. Data security risks tend to rise, and ethical and moral concerns will arise, requiring new laws and regulations.

Despite ethical concerns and data security risks, the future of AI promises significant advancements in every field, creating new opportunities and challenges. As machines take over repetitive tasks, humans can focus on creativity and innovation, leading to further breakthroughs and developments.

Recent years have shown that Machine Learning(ML) is wont to automatize plenty of various tasks that were thought of as tasks that solely humans will love Image Recognition, Text Generation or taking part in games. Machine Learning(ML) goes to possess large effects on the economy and living normally. Entire work tasks and industries are automatic and therefore the job market is going to be modified forever.

Artificial Intelligence(AI) & Machine Learning(ML) Course using Python is designed to make you grab the concepts of Machine Learning. The Machine Learning training will provide deep understanding of Machine Learning and its mechanism. As a Data Scientist, you will be learning the importance of Machine Learning and its implementation in python programming language.

Machine learning a subset of artificial intelligence or an application of artificial intelligence (AI) which provides systems the ability to learn automatically and improve from experience without being explicitly programmed. In other words you can say that Machine learning focuses on the development of computer programs so that it can access data and use it learn for themselves. The process of learning begins with observations or data, such as examples, direct experience, or instruction, in order to look for patterns in data and make better decisions in the future based on the examples that we provide. The primary aim is to allow the computers learn automatically without human intervention or assistance and adjust actions accordingly. Machine learning gives the computer the ability to learn from past data and make predictions about the future. It is the hottest area right now with great career prospects.

This Artificial Intelligence(AI) & Machine Learning(ML) training course is not only 'Hands-On' practical based, but also includes project works so that students can understand actual Industrial requirements and work culture.

Who Can Participate

- B.E/B.Tech Students of CS/IS/IT/ECE engineering branches can participate.
- B.Sc, BCA, M.Sc, MCA Students.
- Working professionals in software/IT Industry.
- Startup & Technology Enthusiasts.

Key Features

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- Machine Learning training is constructed as per the IT industry standard.
 - We Offer the best Machine Learning training and dedicated placement assistance with properly planned training modules and course content.
 - Regular and Weekends classes for Machine Learning training is provided.
 - Expert Trainers with 25 years of Real Industry Experience.
 - Mentors of Machine Learning training helps in major project training, minor project training, live project preparation, interview preparation and job placement support.
 - Smart Labs with Real Latest Equipment's.
 - Personality Development sessions including Group Discussions, Mock Interviews, Presentation skills.
 - Seminars for Personality Development & Personal Presentation.
 - Study Material: , PDF's, Lectures, Sample questions, Interview Questions , Printed notes and Projects.
 - Course Completion Certificate.
 - Separate Certificate for project work after completion of project
 - One-on-One attention by instructors.
 - Helps students to take knowledge of complex technical concepts.
 - Candidate will work on numerous project which can be used as there final year project also.
 - Small Batches & Comfortable Classrooms
 - Payment options: Cheque, Cash, Net Banking.
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Roles And Responsibilities:

- Study and transform Data Science prototypes
- Design Machine Learning Systems
- Research and implement appropriate ML algorithms and tools
- Develop Machine Learning applications according to requirements
- Select appropriate data sets and data representation method
- Run Machine Learning tests and experiments

Course Duration

6 Weeks (45 DAYS)

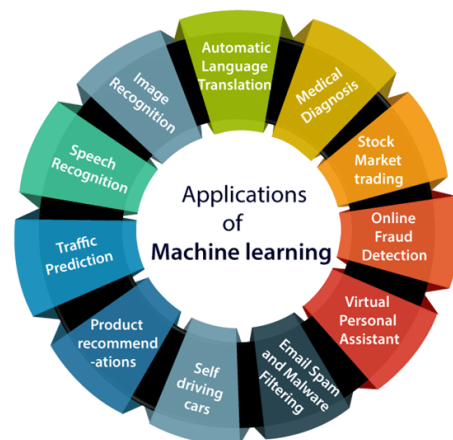
Course Fees: 9000/- (Nine thousand only)

* Registration Fee of Rs 1000 * Course Fee is Rs 8000 /-.



Machine Learning

- Introduction to Artificial Intelligence
- Fundamentals of Machine Learning
- Python Programming
- Data Analytics with Python
- Data Preprocessing
- Data Manipulation using Pandas
- Machine Learning Workflow
- Feature Engineering
- Supervised Learning
- Unsupervised learning



- Time Series Modelling
- Ensemble Learning
- Visualization with Matplotlib/Seaborn
- Introduction to Natural Language Processing
- Introduction to OpenCV
- Introduction to Deep Learning
- **Project work**

Main Tools & Languages

Python , Numpy, Scipy, Matplotlib, Seaborn, NLTK, Pandas ,OpenCV, Tensorflow, Keras etc



Brainwave AI is a IT training and development organisation ,well known for providing quality education in the advance field such as Artificial Intelligence, Data Analytics Machine Learning,Deep Learning,Cloud Computing, Blockchain , NLP (Natural Language Processing), IOT(InternetofThings), BIGDATA, Java, PHP, Python, R, C, C++, MEAN-STACK,WEB Technologies etc

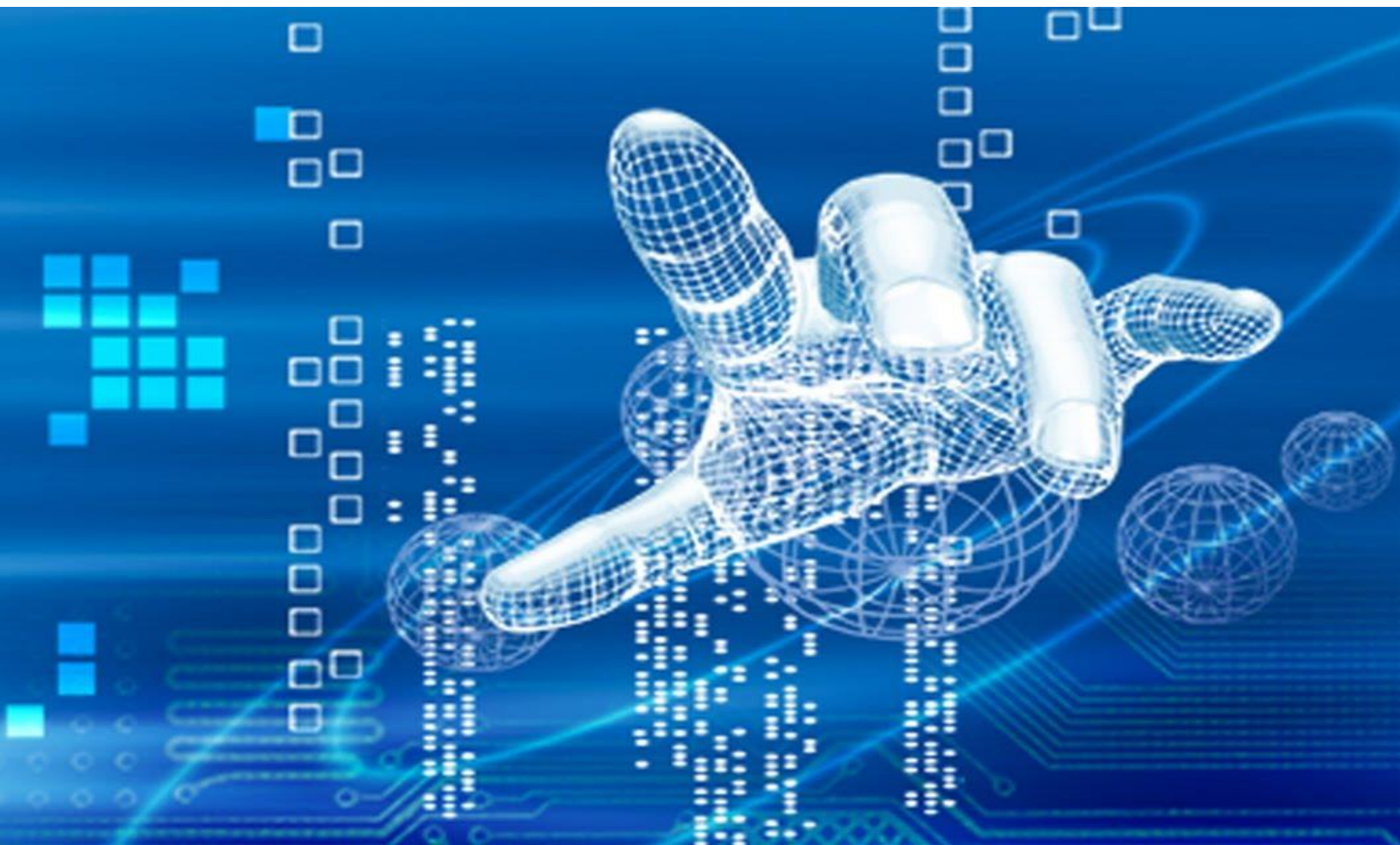
BRAINWAVE provides a range of computer training solutions offering flexible delivery methods, a cost effective approach, smooth implementation and an exceptional level of quality service.

Brainwave has been founded by a highly qualified professional with an excelled expertise onto varied technological domains as a centre for education & training with a vision to outstandingly contribute in the areas of education, technology and advancement. We believe in in-depth perfection in whatever we do and we strive to bring it alive through Brainwave.

At Brainwave, we understand and believe that just as an organization needs the right talent to drive its business objectives, people need the right environment to grow and achieve their career goals. The moment you step into Brainwave, you would be greeted with the feeling of being at the right place. Along with that, Brainwave affords you with a sense of certainty of a successful and rewarding career that would be driven by boundless growth opportunities and exposure to cutting-edge technologies and learning possibilities. Each of these elements goes much deeper than what it conveys.

We provide Live Project Training and groom our students to excel as future executives and IT professionals who can compete with the very best in the global arena and cater to the growing demands of the corporate world. We believe in developing professionals who believe in themselves and are equipped with the latest state of the art skills in their respective fields, professionals who are confident and can compete in the challenging world. Brainwave is emerging as ultimate destination for several engineers and professionals.

We are involved in the various technical trainings and placement services in the information technology sector. We help organizations find the best employees as per the profile requirement to fit in the organizational culture.





- AI/Machine Learning/Deep Learning
- Data Analytics/Business Analytics
- Java Programming
- Python with Data Science
- C, Advanced C++ Programming
- R Programming
- Cloud Computing
- BIG DATA/HADOOP
- Web Technologies
- IOT(Internet of Things)
- BlockChain
- Linux Operating System
- PHP Development
- MEAN Stack Development
- AngularJS/Reactjs
- Nodejs

MENTOR/TRAINER



Mentoring

B.CHOWDHURY | DIRECTOR | BRAINWAVE AI

Data Scientist/Corporate Trainer/Programmer/Developer/Teacher

Specializations-Machine Learning, Deep Learning, NLP, Data Science, Data Analytics, Business Analytics, Predictive modeling, Image processing, Data Visualization, Blockchain, Bigdata, Cloud computing.

Reach industry experience as applied Data Analyst and Data Scientist, Machine Learning, AI etc

Experience in Credit risk model building, Social media analytics, Revenue forecasting, Software Development, ML Projects. 25+ years experience as -Programmer/Trainer/Developer/Teacher/Data Scientist Conducted Thousand hours of training/Industrial training for computer science students & corporate training (India, Abroad)



{Python}



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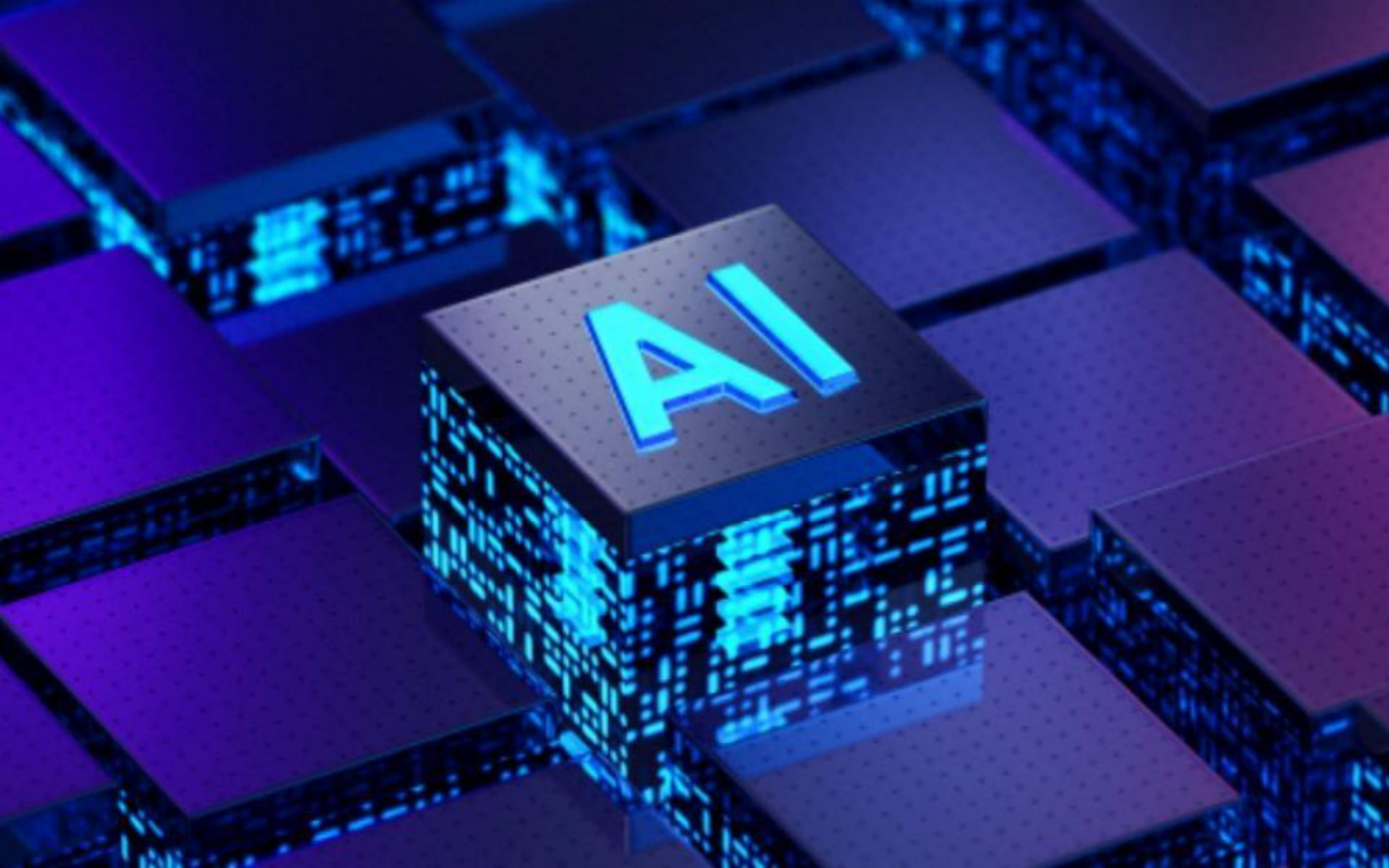
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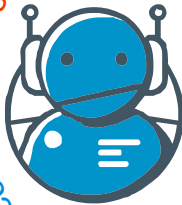
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LEARNING LAB

