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ARTIFICIAL INTELLIGENCE CAREER GUIDE

A Comprehensive Playbook
to Becoming an AI Expert

BECOME A PART OF THE AI REVOLUTION

Over the last few years, technology has evolved at a rapid pace, enabling faster changes and processes. From voice assistants to drones, automated customer responses and personalized shopping experiences, Artificial Intelligence (AI) is increasingly finding applications in our day-to-day lives. What this has done is open up numerous AI job opportunities and lead to a rising demand for skilled professionals.
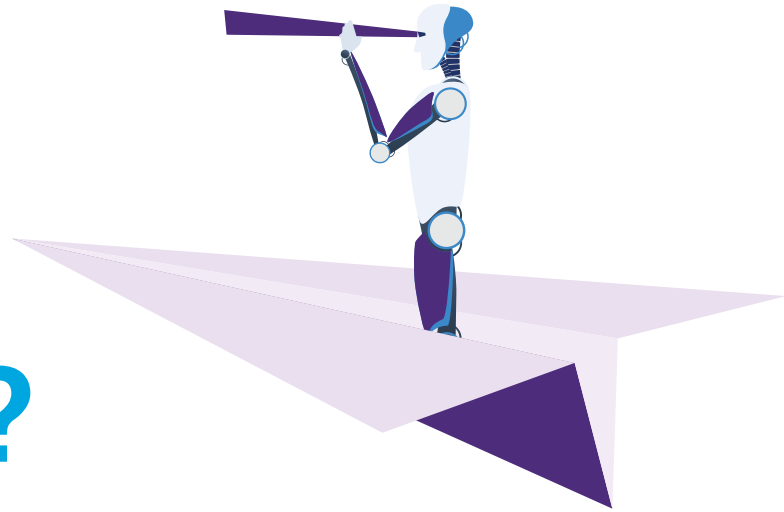
AI and similar new-age technologies aren't just bringing in new jobs, but changing the very nature of the job market itself. Professionals ahead of the curve will find it easy to keep pace with emerging jobs. 2020 is going to be an exciting time for professionals to stay current with tech trends and acquire new-age tech skills.

Simplilearn's 2020 AI Playbook is your complete guide to the skills required, career opportunities available and the ideal learning path to propel a career in the thriving and lucrative field of AI. Our Playbook also provides the most trending technologies, the top companies that are hiring, and ways to jumpstart your career.

Read this AI Playbook for a personalized roadmap to a successful AI career, and take a sneak peek into the world that awaits you.

SIGNS ARE THERE.
ARE YOU WATCHING?

Future of AI

AI is the hottest buzzword in tech today, and all the major enterprises are using it to improve business. AI is creating jobs across sectors and giving rise to new career paths in the field of machine learning, software development, testing, and automation.

The Expanding Field of AI

AI job market is booming and is expected to exceed $191 billion by 2024 globally, and AI is expected to create more than 2 million jobs across sectors. With attractive salaries, investing in upskilling oneself in the field is surely the smart move to make.

AI in Core Industry Sector

The field of AI and related technologies are drastically changing the way business is done across all industry sectors. These edge technologies are gradually bringing about transformational changes, and faster processes across sectors.

Finance

Healthcare

Real Estate

Manufacturing

eCommerce

Marketing and Advertising

HOTTEST OPPORTUNITIES IN AI

Artificial Intelligence has already received a lot of buzz in recent years, and experts predict that AI will create 58 million new jobs by 2022. AI is emerging as a field with applications and integrations with other fields like healthcare, retail, finance, marketing, and advertising, offering scope for learning and propelling careers across fields and technologies.

Artificial Intelligence Engineer

As an AI Engineer, you will develop, manage, and own AI initiatives within an organization.

→ Work on cutting-edge business solutions using languages such as Python, R, and Torch

→ Use your mathematical and statistical skills to analyze and derive insights from massive amounts of data that your business and consumers generate every day

The average salary for an individual with the AI skill set is $121,000

Top Companies Hiring AI Professionals

Career opportunities for AI professionals have grown exponentially to meet the demands of digitally transformed industries, and newer job roles keep emerging in the field.

Top 10 AI Skills:
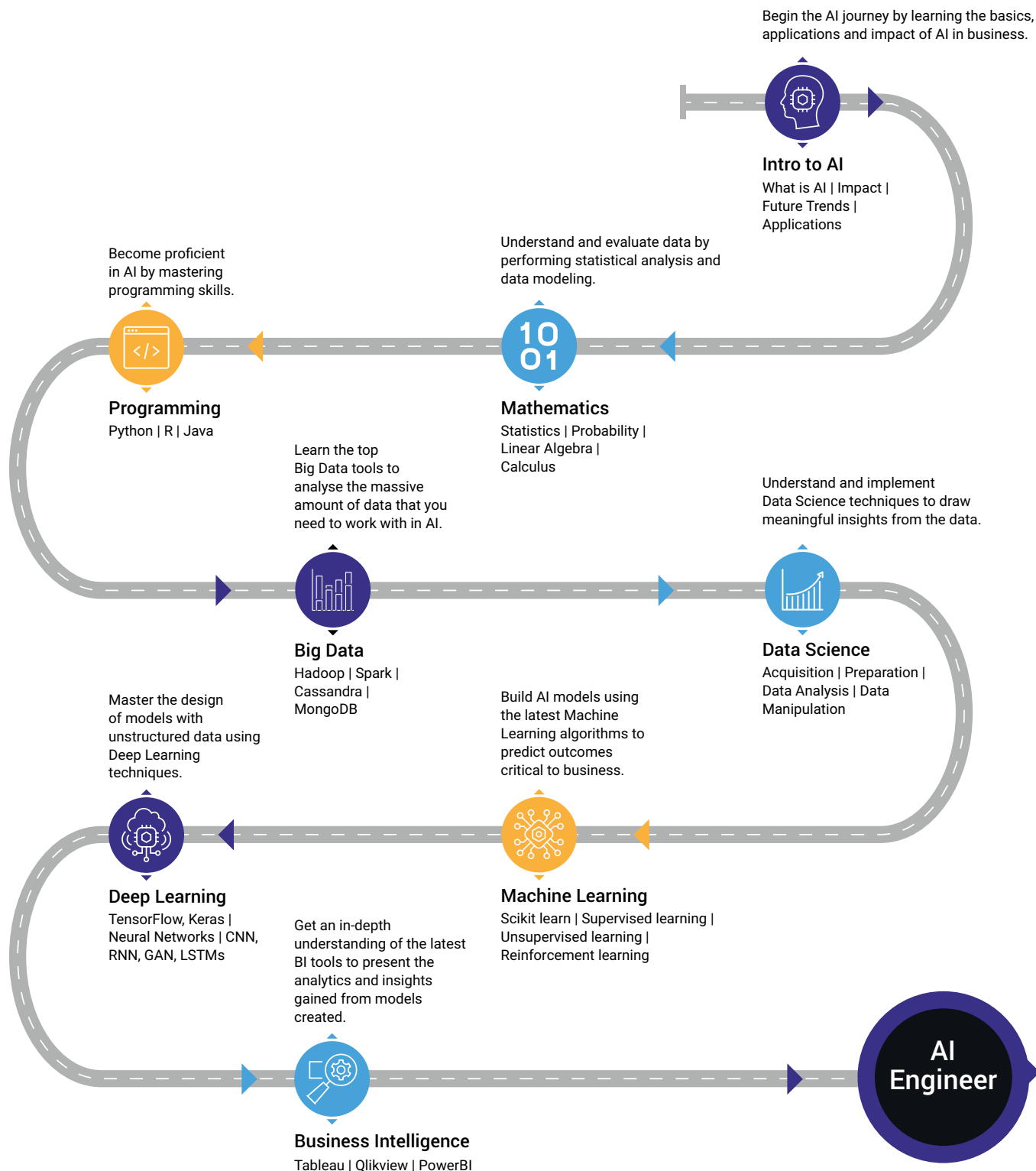
- Hadoop
- Python
- R language
- Java
- Deep Learning
- Big Data
- Machine Learning
- Spark
- SAS
- Probability and Statistics

MAP TO YOUR FUTURE

Begin the AI journey by learning the basics, applications and impact of AI in business.

Intro to AI
What is AI | Impact | Future Trends | Applications

Understand and evaluate data by performing statistical analysis and data modeling.

Become proficient in AI by mastering programming skills.

Programming
Python | R | Java

Mathematics
Statistics | Probability | Linear Algebra | Calculus

Learn the top Big Data tools to analyse the massive amount of data that you need to work with in AI.

Understand and implement Data Science techniques to draw meaningful insights from the data.

Big Data
Hadoop | Spark | Cassandra | MongoDB

Data Science
Acquisition | Preparation | Data Analysis | Data Manipulation

Master the design of models with unstructured data using Deep Learning techniques.

Build AI models using the latest Machine Learning algorithms to predict outcomes critical to business.

Deep Learning
TensorFlow, Keras | Neural Networks | CNN, RNN, GAN, LSTMs

Machine Learning
Scikit learn | Supervised learning | Unsupervised learning | Reinforcement learning

Get an in-depth understanding of the latest BI tools to present the analytics and insights gained from models created.

AI Engineer
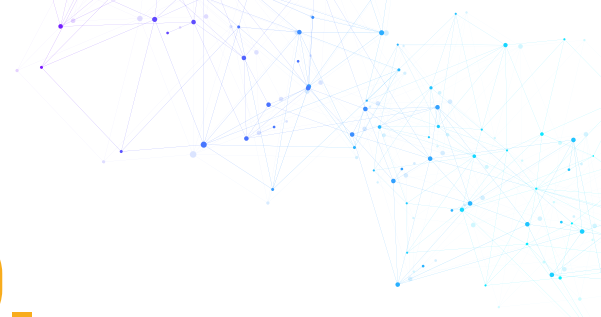
Business Intelligence
Tableau | Qlikview | PowerBI

LET THE LEARNING BEGIN

The growth of fields like AI and Machine Learning has increased the demand for talented minds to help solve pressing business challenges faster and better. However, quitting a full-time job to go back to school isn't realistic for most people, and this is where Simplilearn comes into play. We're an online learning platform offering excellent courses with self-paced learning and live virtual classroom options available. With our highly-detailed course of study, you'll master everything you need to know to make a splash in these thriving fields. At Simplilearn, our industry experts deliver course content through a format that adapts to your pace of learning. Start one of our courses in Artificial Intelligence today and kickstart your career in the lucrative field of AI.

The courses we offer:

- ✔ **Post Graduate Program in Data Science:**
  In partnership with Purdue University

- ✔ **Artificial Intelligence Engineer Master's Program:**
  Co-developed with IBM

- ✔ **Machine Learning Certification Course**

- ✔ **Deep Learning Course with TensorFlow**

- ✔ **Data Science with Python Training Course**

GET CERTIFIED.
GET AHEAD.

Digital economy training | Driving innovation and accelerating careers

Our Latest and Significant Awards:

- **2019** — Stevie® Award for Innovation in Customer Service Management, Planning & Practice
- **2019** — Stevie® Award for Customer Service Success
- **2018** — EC-Council ATC Circle of Excellence Award
- **2017-19** — Top 20 Online Learning Library Companies (by Training Industry Magazine)

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Founded in 2009, Simplilearn is one of the world's leading providers of online training for Digital Marketing, Cloud Computing, Project Management, Data Science, IT Service Management, Software Development and many other emerging technologies. Based in Bangalore, India, San Francisco, California, and Raleigh, North Carolina, Simplilearn partners with companies and individuals to address their unique needs, providing training and coaching to help working professionals meet their career goals. Simplilearn has enabled over 1 million professionals and companies across 150+ countries train, certify and upskill their employees.

Simplilearn's 400+ training courses are designed and updated by world-class industry experts. Their blended learning approach combines e-learning classes, instructor-led live virtual classrooms, applied learning projects, and 24/7 teaching assistance. More than 40 global training organizations have recognized Simplilearn as an official provider of certification training. The company has been named the 8th most influential education brand in the world by LinkedIn.

For more information, visit www.simplilearn.com.