

Top Job Roles in the Field of Artificial Intelligence



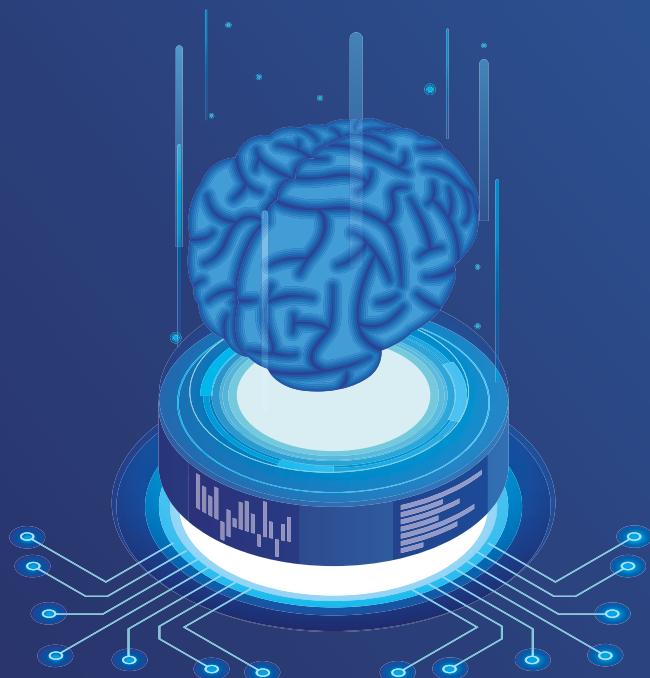
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AI Is Where You Should Be

Over the last few years, technology has evolved at a rapid pace, enabling faster changes and processes. Paired with the advent of ubiquitous computing (of which the Internet of Things is a huge part of), there now exists the perfect storm for an Artificial Intelligence growth explosion. From voice assistants to drones and personalized shopping experience to automated customer response, 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 rising demand for skilled professionals.

AI is the hottest buzzword in tech today, and all the major enterprises are using it to improve business. The AI market size is expected to grow to USD 4,791 million by 2024, at a Compound Annual Growth Rate (CAGR) of 48.4%. This definitely makes the “Artificial Intelligence”, the field you need to be in, to grab opportunities for the future and beyond.



AI Applications has Spread Its Wings Across Industries



Airline Traffic Control



Image Recognition



Sentiment Analysis



Video Surveillance



Spam Filtering



Speech Recognition



Product Recommendation



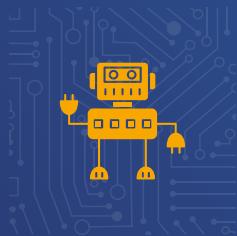
Online Customer Support



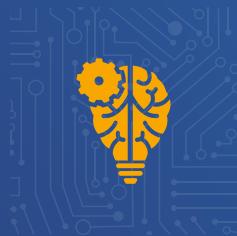
Virtual Personal Assistant

Hottest Roles

in the Field of AI



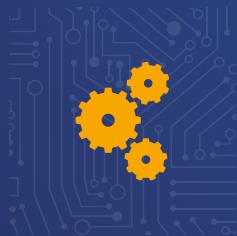
Robotic
Scientist



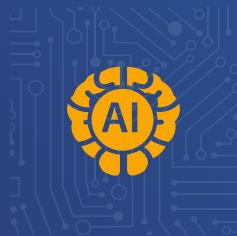
AI Research
Scientist



AI Engineer



Machine Learning
Engineer



AI Architect

Robotic Scientist

\$75,500/year

Robots can automate jobs, but they require programmers working behind the scenes to ensure they function well. Robotic science is used for multiple functions from space exploration, healthcare, security, too many other scientific fields. Their primary function is to build mechanical devices or robots who can perform tasks with commands from humans.

Day-to-day Tasks and Responsibilities:

- ✓ Conducting research in various robotics fields (e.g. nanotechnology)
- ✓ Designing processes and prototypes to build machines
- ✓ Testing and debug robotics programs and program robotic equipments
- ✓ Create back-ups of robot programs or parameters and maintain their operational records
- ✓ The average salary of a Robotics Scientists is over [\\$75,500 per year](#).

Big Names Hunting For Robotics Scientists:



AI Research Scientist

\$92,400/year

A research scientist is an expert in multiple artificial intelligence disciplines, including machine learning, computational statistics, and applied mathematics. In particular, these areas include graphical models, reinforcement learning, computer perception, natural language processing, and data representation. The role of a research scientist varies depending on the industry, and the requirement of the organization.

- ✓ Collaborate with data AI engineers and other stakeholders to develop, integrate and test advanced algorithms
- ✓ Work seamlessly across both software and hardware to deliver projects
- ✓ Develop theories for understanding, characterizing, and organizing natural phenomena into a systematic and significant pattern

The average salary of an AI Research Scientist is over [\\$92,400 per year](#).

Big Names Hunting For AI Research Scientists:



AI Engineer

114,000/year

AI is one of the hottest topics in the industry today and has already received a lot of buzz in recent years, and experts predict that AI will create [58 million new jobs by 2022](#). And an AI engineer is a budding job role today who is expected to build AI models using machine learning algorithms and deep learning neural networks to draw business insights, which can be used to make business decisions that affect the entire organization.

Day-to-day Tasks and Responsibilities:

- ✓ Convert the machine learning models into application program interfaces (APIs) so that other applications can use it
- ✓ Automate infrastructure that the data science team uses and build data ingestion and data transformation infrastructure
- ✓ Perform statistical analysis and tune the results so that the organization can make better-informed decisions
- ✓ Set up and manage AI development and product infrastructure

There are many reasons to consider a career in AI, including pay grade. The average AI engineer salary is over [114,000 per year](#).

Big Names Hunting For AI Engineers:



Machine Learning Engineer

\$1,25,000/year

Careers as a machine learning engineer are quickly becoming one of the most sought-after positions in the IT field. More companies are adopting AI technologies, including machine learning, and even more plan on doing so within the next five years. This means they're going to be looking to bring on machine learning engineers that will help them acclimate to the new technologies and integrate them more efficiently into their operations.

Day-to-day Tasks and Responsibilities:

- ✓ Producing project outcomes and isolating issues that require resolution, to make the programs more effective
- ✓ Collaborating with the data as mentioned above engineers to build data and model pipelines
- ✓ Managing the infrastructure and data pipelines that are necessary for bringing code to production
- ✓ Demonstrating an end-to-end understanding of applications that are being created
- ✓ Building algorithms based on statistical modeling procedures, and building and maintaining scalable machine learning solutions in production

The average salary of a Machine Learning Engineer is over \$1,25,000 per year

Big Names Hunting For Machine Learning Engineers:

accenture

paytm

U B E R

ORACLE

P Pearson

intel

AI Architect

\$145,000/year

AI is emerging as a field with applications and integrations with several other fields offering scope for learning and propelling careers across fields and technologies. The role of an AI architect is vital to any AI or machine-learning strand within a business, and an AI Architect is an integral part of an organization who delivers tangible solutions - the one capable of creating and maintaining architecture using leading AI technology frameworks.

Day-to-day Tasks and Responsibilities:

- ✓ Planning the implementation of solutions
- ✓ Lead AI developers in delivering value to our client
- ✓ Architect, design, and implement large scale and enterprise-grade AI solution
- ✓ Assess, estimate, and support opportunities or business development in our clients
- ✓ Manage the architecture based on restrictions and conflicting requirements

The average AI Architect salary is over [\\$145,000 per year](#).

Big Names Hunting For AI Architects:



AI is sneaking into every angle of Data Science, because AI is an incredible asset for handling massive amounts of data, and acts as a catalyst across end-markets from enterprise to consumer platforms and from cybersecurity to robotics. The pace at which AI technology is evolving is creating a need for Data Scientists, increasing the demand for Data Scientists exponentially.

To know more about the top Data Science Job Roles, [download the eBook now](#).

Breaking Into the Field of AI

The field of AI continues to blossom into one of the most exciting disciplines in the corporate world. The opportunities for AI pros are growing faster than ever to meet the demands of digitally transformed industries, and newer job roles keep emerging in the field. And whether you're looking to run and monetize an AI effort, create third-party insight services, or strive for a more senior AI position, there is a unique path to AI mastery just waiting to be followed.

Artificial intelligence is the next big thing in technology. Organizations are adopting AI and budgeting for certified professionals in the field, thus the growing demand for trained and certified professionals. Simplilearn is ideal for professionals who are either interested in entering the flourishing field of AI, regardless of education and experience, or professionals looking forward to expanding their AI expertise.

Beginners Course

- ✓ Introduction to AI
- ✓ Introduction to RPA Course
- ✓ Machine Learning Certification Course
- ✓ Deep Learning Course with TensorFlow

Master's Course

- ✓ Artificial Intelligence Engineer Master's Program: Collaboration with IBM

PG Program

- ✓ Post Graduate Program in AI and Machine Learning: In partnership with Purdue University





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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.

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