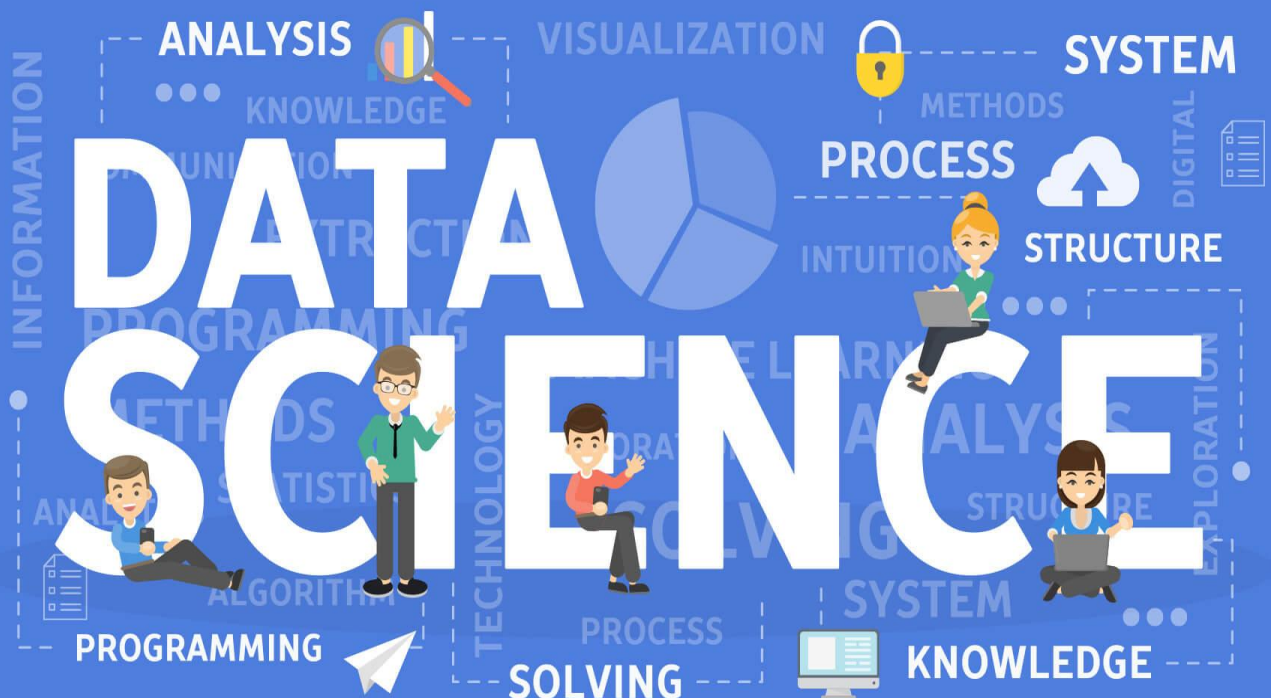# News Letter Volume – 1
Data Science

Datamites

Global Institute for Data Science

How Will Artificial Intelligence Improve Your Business in the Upcoming Years

Artificial intelligence, a technology that has been changing the world faster than any other has managed to stay up to this point and is expected to grow more in recent years. Every business owner admits that AI has changed the Business landscape dramatically with its human-like capabilities. In fact, the recent research of Gartner is quoting that by the year 2020, *"at least 30% of companies will be using AI in at least any one fragment of their sales progress"*.

So, it is evident that businesses have started leveraging Artificial intelligence and its related technologies to optimize their business process to see high revenues. 80% of executives already believe that AI solutions can bring an increased curve in their productivity. Being a Business owner, if you still have not joined this list then here is the list of AI applications that can help you to loosen up the most arduous responsibilities of your business.

Customized user experience with Chatbots

In the age of digitalization, *will the users still be pressing the buttons and waiting in the queue to hear an automated message?* Chatbots are the excellent application of AI that can sense every inch of a customer data from their initial touch point and deliver smart insights on how to effectively assist your customers

When you have all the information with you, it dramatically reduces the time getting wasted in collecting the data again and thereby accelerates the business pace. Analyzing the buying trends, browsing history and what not? Improve customer interactions based on the data and integrate your customers support with all popular messaging platforms to streamline your business for a better future.

Efficient Information technology and cyber security

Do you know 44% of 835 companies are already using AI to find and deter the security intrusions? Artificial Intelligence is making great strides already and started working successfully in data protection. Detecting vulnerabilities effectively in business applications such as ERP or Financial systems is taking place with the help of AI. Giant organizations such as Google have added AI defenses to their bucket list and efficiently protecting their cloud computing data centers. IT Consultancy Gartner is predicting that, by the year 2020, there will be around 75% of security software tools already equipped with Machine learning algorithms and Artificial intelligence capabilities delivering predictive and prescriptive analytics. With Deep learning empowered to see any suspicious activity, there will be no activity left unnoticed, and actions are taken immediately to prevent the damage from occurring

Streamlined Manufacturing to improve yield

It is possible to predict failures, non-productive downtime and build streamlined procedures across all production lines using Artificial Intelligence and Machine Learning. With the availability of a vast amount of Data, it can be pulled out and analyzed in milliseconds to gain actionable insights and to arrive at new ways to become competitive in the marketplace. They can obtain real-time recommendations of which raw material to order at what time when to inject them in machines for continuity of process, predict the downtime and schedule preventive maintenance, enhance equipment effectiveness management and overall yield rates. So, new and helpful ways can emerge with the help of Artificial intelligence in Manufacturing unit of the business which in turn helps in meeting predicted customer demands.

Reinvent Human resource management

When AI is expertly woven in the HR department, it can significantly reduce the work involved in recruiting potential candidates to the company. It is not helpful only in the hiring process but also in managing leaves, employee training, and more key day to day decisions too. Overall an increase in employee experience is experienced by transforming key dimensions of HR with cognitive computing power. One such SaaS product "Restless Bandit" is already helping the HR department to screen the applications to find a suitable match and reach out to them to schedule face to face to interview.

Redefine Business management

We are entering a new era, and better decision support is needed in the fast-growing business environment. Be it smart personal assistants or programming business trip or better decision making, AI can create a massive effect in business management activities. Organizations have already started thinking about AI-powered tools to help in Business management, and one such solution is Avanade, a joint venture of Microsoft and Accenture for predictive analytics and data-based insights.

Automation in Finance and Accounting

Forbes is quoting that, Accenture has predicted that 80% of accounting and finance tasks will be automated in the next few years. Automation can help this department to perform time-consuming, redundant and repeatable data-entry tasks effectively. There have been countless technology revolutions in Finance and accounting, and now the next frontier solutions are arriving from cloud computing and Artificial intelligence. When a thousand pages contract is read effectively and summarized instantly based on your criteria then, wouldn't it be a big boon for business? KPMG in alliance with IBM 's Watson can do this job for you.

Smoother Supply Chain

Supply chains are the critical units of business but are often not receiving much focus. However, with the emergence of AI-powered tools, companies are showing interest in merging them to leverage the vast amount of data collected by warehouse, logistics and transportation systems. Consumers are always insisting on shorter delivery waits from retailers and this chain is continuing from retailers to manufacturers and distribution centers. When autonomous trucks and robot picking systems are employed, we can expect a faster turnaround that meets the higher consumer expectations and demands throughout the supply chain.

Artificial Intelligence in ecommerce

Online shopping is entirely transformed by implementing powerful and practical AI ways. AI helps the business to understand their customer and their preferences, generate new leads, create a more efficient sales process, personalization across various platforms and ultimately provides enhanced customer satisfaction. Customers don't need to dwell upon millions of products to find the one that they wanted to buy instead AI helps them to pick the correct product and discover associated products in an easiest and time-consuming ways. Many ecommerce Businesses are already using forms of AI to successfully assist the customer in finding their desired product at just click of a button, and it is only expected to grow more in the future.

Technical procedures across multiple departments

The efficiency of technical procedures can be perfectly laid with the help of AI. Many companies have already implemented it, and few more are on the way. Royal Free Hospital located in North London is building an app with the help of Google's deep mind to monitor patients with acute kidney injuries whereas a French multinational energy firm is combining drone and AI image processing technology to control its infrastructure and prevent damage occurring in their high-pressure network.

Final Words: Artificial Intelligence is here to Stay

As you can see, usage of AI and its ally technologies are prevalent in every aspect of a business. The Business leaders who consider moving along with the industry trends and market to leverage the AI technologies to apply across different waves of their industry will transform their business into a huge success. AI has come with a bang! "To AI or not to AI" is up to you.

As an employee, how can AI career boost your employment opportunities?

With more and more business started releasing the power of AI, AI is continually at the rise, and it is advancing into the workplace at a dizzying speed. The question is, whether you want to stick to old methods and become obsolete or should investigate on adopting to AI practices. Since organizations need to be thoughtful about how they apply AI to leverage benefits, they need Specialists with a full understanding of the advantages and disadvantages of AI to inherit this technology efficiently.

Breaking News Across The Globe

HAVE WE LOST THE CANCER BATTLE? NO! – SAY BIG DATA AND MACHINE LEARNING

DATACONOMY

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WHAT IS AUGMENTED DATA SCIENCE AND WHY IT IS IMPORTANT TO MY BUSINESS?

Data Science Central

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HOW DATA SCIENTISTS CAN BOND MORE WITHIN THE COMMUNITY?

Analytics India MAGAZINE

Read on →

HOW AUTOMATION IS CHANGING DATA SCIENCE

Forbes

Read on →

DATA SCIENCE PAST & FUTURE

DOMINO

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Data Science Events In India

DataHack Summit 2019

DataHack Summit 2019 is a unique conference where World-class AI practitioners, AI thought leaders, IOT experts, chief data scientists, data officers, researchers, machine learning engineers, technology evangelists, and data hackers will come together to tackle the toughest data-challenging issues of global organizations

EVENT: Data Hack Summit 2019

DATE: 13-15th November 2019

TIMING: 9:00 AM (IST) ONWARDS

LOCATION: NIMHANS CONVENTION CENTRE,

    LAKKASANDRA, BENGALURU, INDIA

Create Alert

Job Listing

Job Listings For 0-5 Years

Data Engineer

Allstate Solutions Private Limited

Years: 1- 4 Years   Location: Bangalore

Key Skills: Automation, Machine Learning, Java Script, Ruby, SQL.

Job Description: Data Engineer is responsible for building and maintaining optimized and highly available data pipelines that facilitate deeper analysis and reporting by the Data Sciences and Analytics teams.

Salary: Not Disclosed   Posted On: 15 July

APPLY

Data Scientist

Lider Consultancy Services Private Limited

Years: 3-5   Location: Bangalore

Key Skills: Deep Learning, Python, machine Learning, SQL.

Salary: Not Disclosed   Posted on: 5 August

APPLY

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Data Scientist

Money On Click

Years: 1-6   Location: Bangalore

Key Skills: Data Science, Python

Salary: Not Disclosed   Posted On: 1 August

APPLY

Data Scientist

Dap E- nnovative Solutions Private Limited

Years: 2-3   Location: Bangalore

Key Skills: S3, Python, Data mining, Machine Learning, SQL, R

Salary: Not Disclosed   Posted On: 5 August

APPLY

Data Scientist

Datacogin

Years: 2- 4   Location: Bangalore

Key Skills: Algorithms, Machine Learning, PHP

Job Description: Develop highly scalable classifiers and tools by influencing machine learning, data regression, and rule- based models Suggest, collect and synthesize requirements.

Salary: Not Disclosed   Posted On: 18 July

APPLY

Job Listing For 5-10 Years

Technical Trainer – Data Science

LevelUp

Years: 4-9   Location: Bangalore

Key Skills: Data Science, Data Management, Technical Training

Salary: Not Disclosed   Posted On: 28 July

APPLY

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Senior Data Scientist

NovoTree Mind Consulting Private Limited

Years: 5-10   Location: Bangalore

Key Skills: Data Management, Bid Data, SQL

Job Description: Role is to liaison between business and analytical teams- needs to understand the business problem and the context, develop appropriate statistical solution and generate business insights from the solution

Salary: Not Disclosed   Posted On: 18 July

APPLY

Manager- Analytics- Data Science Firm

Samaksh Consulting

Years: 6-10   Location: Bangalore

Key Skills: Machine Learning, Deep Learning, R, Project management

Salary: Not Disclosed   Posted On: 20 August

APPLY

Datamites
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Data Science specialist

Tally Solutions Private Limited

Years: 8-12   Location: Bangalore

Key Skills: Java, Data Management, Big Data, Machine Learning.

Salary: Not Disclosed   Posted On: 17 July

Apply

Data Scientist

Anzy Career

Years: 8 -13   Location: Bangalore

Key Skills: Scala, Data Mining, Machine Learning.

Job Description: Working with us: An opportunity for innovators, problem solvers & learners. Working with is Innovative, empowering, rewarding & fun. Amazing Office, competitive pay along with excellent benefits package.

Salary: Not Disclosed   posted On: 17 July

APPLY

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Job Listing For 10 – 15 Years

<u>Chief Data Scientist</u>

Catalyst

Years: 9-14   Location: Bangalore

Key Skills: Data Science, Algorithm, Data Structures, Hadoop

Salary: Not Disclosed   Posted On: 30 July

APPLY

<u>Manager Data Scientist</u>

Virtuoso Recruitment Solutions

Years: 10-16   Location: Bangalore

Key Skills: Hadoop, Data Science, Data Mining, Algorithm

Salary: Not Disclosed   Posted On: 18 July

APPLY

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Principal Data Scientist

HYREZY talent Solutions

Years: 8-13   Location: Bangalore

Key Skills: Data Science, Algorithm, Data Mining, Machine Learning

Salary: Not Disclosed   Posted On: 18 July

APPLY

Lead Data Scientist

Century Link Technologies India Private Limited

Years: 8-12   Location: Bangalore

Key Skills: Hadoop, Text Mining, machine Learning, Deep Learning

Salary: Not Disclosed   Posted On: 22 July

APPLY

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Global Institute for Data Science

☎ :1800-313-3434

Email: info@datamites.com
www.datamites.com

#SwitchToDataScience