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Failure is not the end , it Is the beginning of real learning

Learning From Failures is important when moving forward towards development and success. The ability to embrace failure without being afraid and learn from failure is one trait of emotional intelligence and highly developed brain. Lifelong learning creates revolutions; it creates improvements. Failure is a part of our lives which everyone faces at some point in their lifetime. This means that we are trying our best in life. And trying is better than just giving up before trying.

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Introduction

It was 2020 and I had my matriculation papers and I was wondering what would happen, would I be able to get good marks? Then I saw a Quote from Thomus Edison, "I have not failed 1,000 times, I have successfully found 1,000 ways that will not make a light bulb."

Then my thoughts about failure was completely changed. I realized that failure is not something we fear about , it is somrthing to learn from. From that moment I started seeing failure as a step toward development rather than the end of efforts.

Technology Overview

In this field of technology, failure plays a major role in revolution and development. Many successful machines we use today are the result of repeated failures and improvements.

For example, companies like Google and Microsoft continuously test new projects. They do not achieve success in all of them, but they learn from their failures and provide us with strong programs the next time.

In Artificial intelligence and Software Engineering, failure is the starting point of learning and growth. When we create machine learning or any models, then more errors arise and we correct them the next time. This process is known as "Training", because system learns from our mistakes and provide us more effective data in the future.

Similarly, in cybersecurity, experts provide us with open-source algorithms so that anyone can access and test them. If someone breaks the system, they may be hired that person and work on the security to improve it again , continuing this process until all the problems are solved.

Key Findings & Impact

Research shows that failure helps in building more effective skills and creativity . According to studies in psychology and education, people who learn from them develop stronger and artistic abilities.

In the tech industry, failure has led to some of the biggest development. For example:

- Every version of software frequently contain bugs but fixing them improves the final product or results.
- If they failed in AI experiments than they understand what works and what does not.
- Companies startup may not good and their failure rate increases but later they learn from their mistakes and produce the stronger and successful companies.

Failure also build toughness. When individuals face challenges and control them, they become more confident. This is mainly important for students and professionals in technology field where continuous learning is necessary.

What's Next?

The future of technology depends on continuous testing and learning from failure. The capability to accept and learn from the failure will become more important. Students and professionals should adopt a growth mindset. Instead of fearing mistakes, should see them as a way to learn more. Educational systems are also changing to encourage experimentation rather than completeness. This approach build the students for their future challenges.

About the Author

Fizza is a BSIT student with a strong interest in Python programing and data science. She is eager to combining creativity and technology to build creative solutions. She believes in continuous learning and personal growth through experience. She can be reached at fizzasarfraz218@gmail.com

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