

Mathematical Autobiography

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Introduction

I was born in India, on 25th of April 1983 and was the youngest daughter of Jakka Raghunadha Reddy. My father works as an Electrical Engineer in Bharat Heavy Electricals Limited, one of the topmost organisations in India. I finished my schooling and college in Hyderabad, India.

Role of Mathematics in my life

Mathematics has begun in my life when I was in kindergarden. My mother taught me to count 1,2,3 with my fingers. She taught me how to add and subtract numbers. I eventually learned the basic things in mathematics.

In my first standard I was taught multiplication and division. I learnt multiplication tables from 1 to 10. But as days passed I had to learn tables upto 20. Initially it was a bit difficult but as I practised got used to it. Going further I learnt about Real numbers, Whole numbers, Natural numbers, Integers, Rational and Irrational numbers, Prime numbers, Even and Odd numbers, Composite numbers, Complex numbers and many more which slowly built interest in me.

In Algebra I learnt $a \times 1 = a$, $a \times a = a^2$, $(a+b)^2 = a^2 + b^2 + 2ab$ and many basic equations which I used through out my education. I learnt my first Linear Equation $ax + b = 0$. Quadratic Equation $ax^2 + bx + c = 0$. I learnt that as the power or the exponent of the variable x increases, the number of solutions increase. For example: The linear equation $1x + 3 = 0$ has the solution $x = -3$. Whereas the quadratic equation $x^2 + (-)3x + 2$ has two solutions $x = 1$ or $x = 1$.

I was fascinated with Geometry as it was something related to logic and imagination. It started with one dimension, two dimension and went upto multi dimensional geometry. I learnt lot about Mathematics in my High School and my Undergraduation. Various topics were covered including Differential Equations, Integration, Vector Algebra, Matrices and much more. My interest in Mathematics has always scored me good grades at all levels.

But one thing I realised from my past experience that Mathematics needs constant hard work and practice. For one of my exams I just took it for granted that I was always scoring good marks so this time I won't prepare for the exam as I already know everything. But my performance in the exam was poor and because of that my grades decreased. From then onwards I realised that Mathematics is not only concerned with one's logic and intelligence but it needs hard work.

My online VARK test scores are Visual: 9, Aural: 11, Read/Write: 12, Kinesthetic: 5. According to these scores I have a Multimodal VARK learning preference which means I am flexible to different ways of learning and implementing things.

The reason behind participating in this project is that I have never been into research. This is my first research project and I am excited to work on it. And also the new programming language Python which is used in this project has increased interest in me.

I would like to enhance my skills in Mathematics with advanced courses. My interests also include Computer Networks, Multimedia, Graphic Designing and Programming languages such as C and Java. I was always fascinated to see a real Mainframe when I worked in that field. My future aspect is to learn as much as I can.