

# STATEMENT OF PURPOSE

***“One chance is all you need.”- Jesse Owens***

Ever since childhood, my relationship with Mathematics has only been love. As a kid I loved playing with numbers, be it verifying the total in the grocery bills or remembering phone numbers – I was intrigued by Math. Calculus and Statistics were my teenage love. Racing the teacher in solving problems became my daily routine in class. Realizing My aptitude and interest in Mathematics, So I decided to pursue Computer Science degree which involves the application of Mathematics and to solve problems. In the year 2018, I embarked on a journey of securing a **bachelor’s degree in Computer Science** from **Agurchand Manmull Jain College**, an institution which is affiliated to **university of madras**.

On my First academic year of college, mathematics Professor Mr.Rameshwaram assigned me a work about how Facebook shows ads that we have searched, so I started internet research and learnt about the concept of machine learning – That was My first step Towards Data science. In the year of 2019-As I am a computer science student, I took one step forward to learn R programming from Edx-and that’s where I started to work towards data science. Apart from this I studied about **deep learning, linear algebra** and more.

During my second year of college, I took a course called **“math for data science”** on Coursera. I believe that knowledge gets its value from practical application, which happened when I myself gave a number of assignments involving stock market datasets and sales prediction datasets. Open-source resources and Kaggle datasets were my holy grail during those initial days of learning.

So, to become a data scientist I Started to level up my programming skills via **YouTube,geeksforgeeks** and **w3school**. When I was studying 4<sup>th</sup>semester participate in **“Code chef”** Competition to level up my skills on programming, though I didn’t win I ended up with amazing experience. During my second year of college, I took a Statistics course called **statistics and numerical methods** and **applied statistics**, which gave me vision about data science.

**Online (MOOC) Courses I did during 1<sup>st</sup> and 2<sup>nd</sup> year of college:**

- **Edx: Introduction to Python: Fundamentals – Microsoft.**
- **Edx: Data Science: R Basics from HarvardX.**
- **Coursera: Python data structure from University of Michigan.**
- **Coursera: Data Science Math Skills from Duke University.**
- **Coursera: The R programming Environment from John Hopkins University.**

Throughout these years I have learnt some of the skills in data science but to move further, Data Science with Professional Postgraduate will help me climb further up my ambition ladder. I believe that the modules available in your degree program and the cutting-edge facilities available in your department will help me to fulfill my career aspirations.

After completing Bachelor of science in computer science I have joined Master of Computer applications in Vellore institute of technology to improve my applied knowledge in programming. During these days I have contributed several data mining projects and machine learning projects in github and developed skills in data science technologies.

During my master's degree I have joined Part time employment in Xyma analytics - IIT Madras incubated company as an IoT trainee. Handled several projects in signal processing, dashboards etc.

To my knowledge Royal Holloway has done so much research on the data science field with excellent professors.

I conclude by expressing my gratitude in giving me an opportunity to outline my data science journey till date. I have been growing as a student every single day and I hope to become the best version of myself to move further in my ambitious pursuit.