

**Name:**

**Proposed College:** University of Alabama, at Birmingham

**Proposed Program:** M.S. in Data Science

**English Language Proficiency:** IELTS – Overall 7.5 (L:8.5, R:8.0 , S:6.5 , W:6.5 )

## **Introduction**

I,

with my family on permanent basis glad to have this opportunity to put forth the letter of intent reflecting my academical progression which has led me to pursue higher education by deciding to take the course of Master of Data Science at University of Alabama, At Birmingham, USA.

I belong to family who gave me a better life and good quality of education which they achieved in their life by becoming well educated, but I am fortunate to have such a supporting father who has encouraged me by being supportive towards me to continue my higher education as I always had this dream to pursue post-graduate studies and my loving mother being a loving mother has nurtured me ethical values.

## **Educational Career**

Referring to my academics, I completed secondary school education (S.S.C) in March-2018 with 90.60% from Gujarat Secondary & Higher Secondary Education Board. During studies, being enthusiastic in terms of how the computer applications are evolving and changing our lives in terms of easing daily activities, but also the core aspect of Mathematics which is behind all the programming languages which I came to know during the secondary studies where C++ Programming as well as reading articles about how the programming languages are mostly based upon the core concepts from the mathematical calculation. Hence, I completed Math as major in Higher Secondary Certificate (H.S.C) in March-2020.

Onwards, I took the admission in the program of Bachelor of Engineering – Computer Engineering at Gujarat Technology University in August - 2020. During the studies, I came across the number of modules namely Data structures, database management Systems, Discrete mathematics as well as python for data science and data mining which allowed me to gain the elementary insights how the technology aspects are interlinked and can be deployed subject to the requirement in each other field.

## **Reason to study in the USA**

Studying in the USA offers a transformative educational experience marked by unparalleled academic excellence, diverse learning environments, and expansive opportunities for personal and professional growth. American universities are renowned for their cutting-edge research, innovative teaching methodologies, and a wide range of programs catering to diverse interests. The USA's commitment to fostering a global community ensures exposure to a melting pot of cultures, enriching your perspective and preparing you for a globally

interconnected world. Moreover, the USA provides access to some of the world's leading industries and organizations, offering internships, research opportunities, and networking possibilities that can significantly enhance your career prospects. The flexibility and diversity of academic programs allow you to tailor your education to align with your career goals. Beyond academics, the USA's vibrant and inclusive communities offer a dynamic cultural experience, fostering personal development and lifelong connections. Choosing to study in the USA is not just an investment in education; it's an investment in a multifaceted journey that equips you with the skills, perspectives, and networks to thrive in an ever-evolving global landscape.

### **Why M.S. in Data Science?**

Choosing a master's degree in data science with a background in engineering opens a plethora of opportunities in today's data-driven world. With my engineering background providing a solid foundation in analytical thinking and problem-solving, a data science course will equip me with the skills to extract valuable insights from vast amounts of data, enabling me to make informed decisions and drive innovation in various industries. This interdisciplinary blend of technical prowess and analytical expertise not only aligns with the demands of modern businesses but also offers a dynamic career path with abundant prospects for growth and impact.

### **Why do Data science course in University of Alabama, Birmingham?**

The University of Alabama, at Birmingham presents a compelling option for individuals seeking to pursue a master's degree in data science due to a multitude of factors. Primarily, the institution garners commendation for its esteemed academic standing and rigorous curriculum, furnishing students with a distinguished education held in high regard globally. Furthermore, the University of Alabama, at Birmingham's data science program is anticipated to offer an extensive array of courses and resources finely tuned to address the exigencies of the swiftly evolving data landscape prevalent today. Additionally, the university is presumed to boast revered faculty members proficient in the domain, affording students invaluable insights and avenues for mentorship. Lastly, the University of Alabama, at Birmingham is likely to provide a nurturing and dynamic campus environment conducive to fostering collaboration and networking amongst students, faculty, and industry experts, thereby augmenting the overall educational experience and prospects for career advancement.

### **Future Opportunities:**

In terms of my future aspirations, once I complete my studies and return to my homeland, India, I am drawn to the burgeoning IT and Computer sector, which is gaining prominence globally. I have a specific plan to commence my career with Infosys, a multinational IT company, as a Data Scientist initially. Following this foundational experience, I envision exploring opportunities with well-established Indian organizations like TCS. Targeting roles such as Senior data analyst, I understand that these firms value candidates with a solid foundation in, complemented by expertise in Computer and technology. This career trajectory not only promises a substantial income but also aligns with my desire to maintain

a balanced social life within the comforting embrace of my parents' love and support, fulfilling their dream of seeing me succeed.

Thanking you

**Yours Sincerely**