

Statement of Purpose

My name is _____, and I am from India (Passport ____). I completed my matriculate education from ____ in ____ with _____. I completed my intermediate education in ____ with ____ from _____. I completed _____ in undergraduate education from ____ that I completed in ____ with _____. In masters, I completed _____ from _____ with _____.

The beauty of mathematics has kept me enthralled ever since and to satisfy my curious mind I chose to pursue mathematics for higher education. Apart from being good at academics, I have tried my hand at various other activities to keep myself engaged and motivated. To cater to my instinct of being a learner, I have learnt playing the harmonium and am presently learning piano. At my school and college level, I had been an excellent orator and managed many events. Regular practice of meditation and yoga keeps me active, rejuvenated, energetic and helps me concentrate better. I enjoy taking challenges, setting new targets for myself.

I joined XXXX College, the University of XXXX as an undergraduate student in July 2013. It was here that I first encountered the rigorous way of studying and doing mathematics. I completed my undergraduate degree in Bachelor of Science in July 2016 with distinction. The application of LPP and Game theory in business and health care amazed me and motivated me to delve deeper into these areas. Prior to this, I did a summer internship in XXXX under Professor XXXXX to get myself introduced with the business and management aspects of mathematics and statistics. It gave me an exposure to learn how theoretical knowledge of mathematics and statistics can be put to live projects. To explore the wide applicability of mathematics into the real world, I made up my mind to do masters in Operations Research.

For pursuing a masters, I joined the Department of Operational Research at XXXXX, in the year 2016. It was an application of factor analysis. I completed my post-graduation, Masters of Sciences(M.Sc) in Operational Research in July 2018 with the Second rank in the University of XXXXX.

Apart from my semester courses and project, my basic knowledge of operations research and statistics were strengthened and reinforced by doing a summer internship under Professor XXXXX in XXXXX in May – July 2017. I attended various lectures here for the course Business Analytics and learnt several statistical learning concepts through case studies. I learnt about various applications of data sciences in different domains. I attended the symposium on Business Analytics and Intelligence. Later on, to quench my thirst for learning, I also read research papers on the application of operations research, specifically in the areas of Multi-Criteria Decision Models and Stochastic Models. This undertaking has enabled me to understand and learn the subject beyond the limits of my university curriculum.

My passion for learning has constantly driven me to explore the uncharted territories. Besides learning, I also seek to share my knowledge and insights through teaching. Right after my M.Sc.

I joined the Department of Statistics, XXXXX as an Assistant Professor for the session 2018-2019.

Apart from projects, I got a platform to take a few sessions on Prescriptive Analytics for the executive program at XXXXX. I also took sessions for XXXXX using the software. I also took sessions on Probability and Inferential Statistics for Business Analytics Program at XXXXX.

Through all these projects and coursework, I believe my skills in understanding optimization, statistical learning and machine learning algorithms have been honed, and now I wish to move deeper into the same field. Also, I have started learning Deep Learning and the mathematics involved in it. I want to continue working on data science and operations research in the future and engage in a PhD program, with a special interest in stochastic models and Multi-Criteria Decision Models. I want to study in detail about stochastic models and reinforcement learning algorithms to tackle various real-world problems related to that. I believe that my passion for the subject, the ability and will to work hard would be the key ingredients in enabling me to make vital contributions to the discipline. Therefore, I am motivated to pursue _____ program.

After completing my PhD, I will return to India and continue working in the field of research in India.

I wish to pursue my PhD at the XXXX because it is an institute of international repute. It would be an honour, as a student, to be working at XXXXX. I intend to remain associated with academics and research after completing my PhD and try to infuse the zeal I have for this field, into young minds. I hope I can realize my dream of contribution to academia under the able guidance of the professors at the XXXXX.

I am confident that my exposure and learning at XXXX will help me in acquiring advanced knowledge and becoming a better professional.