Name- Harsh Pandey

Class- TY. IT

Division- B

Roll.No - 23

Subject- PCE

Statement of Purpose

As a child born and raised in Mumbai, India, I was always curious about *stars* and the beauty of it and how it came into existence , I always gazed at the night sky and wonder the abstract nature of it and always thought how would I will able to understand its nature and how our cosmos works .During my school years I always read about the astronomy, spaceships, our solar system and always thought this questions what was all its origin how it came into existence what is beyond time and space, one day I decided that want to work in this field of study and contribute my work so that mankind would have greater idea about it. During my school years I started studying about it started to gather knowledge on I can contribute in it I gave a lot of time on studying PHYSICS since that's the base of understanding about the cosmos read lot of books on it ,competed in national Olympiads in physics for consecutive years and secured some decent ranks .I was very much interested in Physics but I do struggled in it but that didn't ever questioned my interest in the cosmos through the end of my High school I figured out the way that I was going to do inorder to achieve my dream .It was engineering I loved coding making new programs ,solving problems on it, desire to make an software one day.I decided through engineering I am going to contribute my work in the study of the cosmos. I going to build new techs ,new software automation many more which will help scientist , astrophysicst, astronomer to study our galaxy our planet and much more .

I Completed my Diploma in *Computer Engineering* with an aggregate percentage of 90.91% and pursued my Bachelors in INFORMATION TECHNOLOGY engineering at Mumbai University .At Mumbai University I have engaged in rigorous coursework in understanding and implementing various programming language like JAVA,PYTHON,C++ and Mathematics . As a freshman, I enrolled in a *Artificial intelligence* and *Machine Learning* honors that focused on research tutorial ability of a machine to present human like capabilities like reasoning, thinking, planning and creativity. I also learnt Data analytics and Data management through training programs thus reinforcing my conviction and desire to pursue my study of cosmos research . The undergraduate courses and associated lab work have enabled me to master a variety of techniques such as designing interactive use interface solving as well as making data algorithms etc. I have used many of these skills in other research projects that I have been involved in throughout my undergraduate career.

In my second and third year I participated in Smart India Hackathon , I worked on different projects that focused on automation and data handling (Big data).One of the major projects that I worked on was Satellite embedded system that worked on collecting data from satellite in terms of images , signals, radiation data ,etc so that we get to know about things like the gravitational pull caused by the moon on earth that create high and low tides ,how far is moon from earth and how many days it will take a spaceship to reach there. Working on such projects had gained me an experience on making softwares that can create or make a reasoning on data based on different types.

I cleared my Bachelors with a CGPA of 8.5 and also cracked the GATE examination with AIR 450 .I want to pursue my career through this field doing so I will be able to contribute my work in the field of space study that's why I wanted to get placed in your prestigious university to pursue my Masters so that I will be having enough theoretical as well a practically knowledge to work on big real time projects .

My education and practical experience at Mumbai University have prepared me for a graduate program in [**Masters in Computer Science]** in your prestigious institute of IISC Bangalore To build a career in this institute is a dream for many students in INDIA whether it might me field of research ,or engineering this institute has the best faculty staff best environment foe students to compete best labs for students to gain practical knowledge .One of the most astonising part of this institute is it has created the country's best researchers best engineers that contributed their work that had made ISRO(Indian Space Research Organization) in top 3 competitors of the world in Space programs .Inspired my this I too want to contribute my work to my country's space program so that one dai it will become number 1 in the world. , I am committed to having a career that enables me to mentor and lead a group of aspiring graduate level researchers. I believe that the education and opportunities that I will get as a research or teaching assistant will prepare me to successfully fulfill my career goals.

Signature