

Being an avid video game enthusiast since childhood, I have constantly wondered about the methods and technologies used for backend and frontend development of a game and the software through which specific instructions are provided to a game's interface based on the player's actions. I see video games as an art form and its interactive nature has unparalleled potential for creating user-friendly interfaces. I also deeply admire the depth of the stories of video games that completely enthralls players and encourages them to get fully absorbed in the game. I still remember reading an article about the game 'Witcher 2' that was gifted by the Polish prime Minister to the then American President Barrack Obama which was heavily influenced by the culture and heritage of Poland. This widened my perspective of video games as not just entertainment tools but also pieces of cultural history and art. Having nurtured a deep passion for games since childhood, I now wish to be a part of this industry and contribute to the development of video games that are rich in Indian cultural and artistic history. Hence, in order to fulfill my ambition of establishing my own gaming studio in India, I wish to pursue a postgraduate education in Game Design and Development.

Wanting to understand the hardware and software components of a video game and to enhance my knowledge of video game development, I pursued my undergraduate studies in Instrumentation and Control Engineering. During this period, I learned several subjects that helped me understand the construction and working of gaming equipment such as microprocessors, microcontrollers, and programming languages. These subjects formed the first step in my exploratory journey of video game development, greatly enhancing my passion for the industry.

Eager to explore the integration of hardware components to build a useful device, I undertook the design and fabrication of a solar-powered washing machine operated using a DC motor. Aside from acquiring technical knowledge of the components used for its fabrication, I acquired leadership qualities by managing my project team and learned how to communicate with my team members effectively. Wanting to gain more knowledge of control systems, I attended an in-plant training program at Rajalakshmi Wind Energy Ltd, which is a wind power plant run on the principles of integrated SCADA solutions. This program was very helpful in enabling me to understand how SCADA was implemented in companies and I specifically understood the replacement of a gearbox on a windmill.

Interested in probing control systems further, I decided to work as an intern at Schneider Electric where I learned about distributed control systems and emergency shutdown systems for the Dangote Refinery and Petrochemical project taking place in Lekki, Nigeria. Here, I got the opportunity to work on both hardware and software components used in the Triconex Ecosystem that formed a significant part of the Heat Recovery Steam Generator of the Captive power plant. This experience not only helped me understand the concepts taught in my undergraduate coursework better, but I also got exposure to a highly dynamic professional environment, understood team dynamics, and learned how to use logical reasoning and critical thinking to come up with quick and creative solutions to problems.

In order to indulge and nurture my passion for video game development, I have participated in several extracurricular events and competitions in this field. I have attended a Video Game Development workshop conducted as part of a national level symposium, Vortex '17, at the National Institute of

Technology. I have also participated in three e-sports competitions winning the first place in two of them and the second place in the third competition. As a leader of my Counter Strike team in these three competitions, my knowledge of video games was extremely beneficial in sealing our victory and I got to learn several new concepts and techniques from my team members in playing video games with greater concentration and logic. Apart from this, I have served as an Editor for a newsletter of the International Society of Automation and have also been the Publicity Manager for a national level symposium organized by my department. Both these positions have enabled me to become a more outgoing person and helped me build a strong professional network with like-minded gaming enthusiasts.

Having been deeply passionate about video games since a child, I have focused on enhancing my knowledge and skills in the field throughout my undergraduate education in the form of internships, workshops, and competitions. The knowledge that I have received of hardware components, control systems, and programming through my theory classes have also served me well in helping me understand gaming architecture and software programming. Now, in order to pursue my career in the field of video game development, I wish to pursue a postgraduate education in Game Design and Development. After completing my higher studies, I intend to work as a developer in an established and reputed game studio so that I can acquire sufficient experience and skills to handle projects independently. My dream is to work on large-scale collaborative projects such as the AAA title so that I can gain experience and insights in this area. Eventually, I would like to establish my own gaming studio in India so that I can develop video games relevant to the Indian population and place India on the global map as a pioneer in the field of video game development.

In order to fulfill my goal of establishing my own video game development company, I wish to take up a postgraduate program in Game Design and Development at _____ University. The numerous research projects that I have worked on and the internships I have attended during my undergraduate period have given me a strong command over the concepts. I now wish to deepen my understanding of the field and become up-to-date with the most recent trends in the field of game development. I intend to acquire a strong technical skill set by pursuing several exciting and challenging projects at your state-of-the-art research facilities. Being guided by accomplished faculty such as _____ and _____ at your premises will help me take my projects to the next level and acquire a more comprehensive understanding of the field.

My experiences in using my knowledge and skills for research projects in my field of interest have given me a strong knowledge of my subjects, and I am confident that my aptitude and passion for the field will help me stand out at your campus.