**Statement of Purpose**

Submitted for Spring

Computer Science, X University 2024

B.M. Aniruddho Islam

Manirampur, 7440, Jashore, Bangladesh

bmaniruddhoislam@gmail.com

It is my immense pleasure that, I am writing about to express my keen interest in pursuing a Master's degree in Computer Science at University of Maryland Eastern Shore and very grateful and glad for giving me such huge opportunity to apply in the graduate program. My lifelong fascination to artificial technology eka journey into the world of Computer Science, combining with my academic, practical, and programing/competition/symposium lead me graduate school application so that I can be a full-fledge computer engineer . I am confident that a master’s in computer science at University of Maryland Eastern Shore has all the academic resources and research facilities to quench all my scientific queries.

As I was growing up and we entered into a new century as well as a new era of Technology. I was observing the transformation of analog to digital worlds that’s why, I was always mesmerized to technologies. From tinkering with computers to exploring the possibilities of software, I found myself fascinated by how technology could solve problems and improve lives. In every aspect of life Technology is the main support for human being. This passion naturally led me to pursue undergraduate degree in Computer Science Engineering at Daffodil International University.

During my undergraduate time at university, I had the privilege and opportunity to delve into various aspects of Computer Science . In my first year, I learned the fundamentals of programming, particularly focusing on C programming language, Object Oriented programming language. I actively participated in programming contests, leveraging these experiences to enhance my problem-solving skills and deepen my understanding of algorithmic concepts.

As I progressed into my second year, I enrolled in a course on web development at Tech Trix. Here, I gained practical experience with HTML, CSS, Bootstrap, and JavaScript, alongside learning the basics of PHP. Collaborating with peers, I undertook a project focused on developing a medical system. This project allowed patients to schedule appointments with doctors and receive prescriptions, showcasing my growing proficiency in web development technologies.

In my final year, I embarked on my capstone project, which centered on developing a Relief Management System using Laravel. This project was particularly meaningful as it aimed to address real-world challenges. The Relief Management System facilitated donation transactions and inventory management, providing assistance during times of crisis. The positive reception and impact of this project underscored the significance of leveraging technology for societal benefit and earned appreciation from both peers and faculty.

One of the highlights of my undergraduate journey was working on projects that allowed me to apply my theoretical knowledge to real-world problems. For instance, collaborating with peers on the development of a project to book free rooms for classes for both students and teachers was a significant milestone . This endeavor not only deepened my understanding of web development but also ignited my passion for its practical applications.

After completing my undergraduate studies, I transitioned into the workforce with an internship at Advanced Software and IT Solutions. During this internship, I had the opportunity to work with technologies like C#, ASP .NET Framework, .NET Core, and SQL Server. After the course of six months, impressed by my performance, Advanced Software and IT Solutions offered me a permanent position as a Software Engineer. In this capacity, I furthered my proficiency by spearheading multifaceted projects such as the Human Resource with Attendance system for the Directorate General Defense Purchase (DGDP), alongside contributing to the development of the Study Informatics Website, all while fostering collaboration within a diverse team.

Transitioning seamlessly into a pivotal role with the Bangladesh Export Processing Zones Authority (BEPZA), I immersed myself in the Enterprise Resource Planning (ERP) team, where I engaged with cutting-edge Advanced Software and IT Solutions to deliver exceptional ERP services. In this role, I supported existing systems and developed new features, using my expertise from Advanced Software and IT Solutions to enhance BEPZA's ERP operations. The ERP system comprised seven modules: User Management, Leave Management, Human Resource Management, Accounting, Payroll, Provident Fund, and Inventory Management. These modules were developed using ASP .NET Framework 4.8 and RDLC for report viewing.

After that, I seized the opportunity to join Krishibid Group as a Senior Software Engineer in their ERP team. Here, I continued to work with familiar tools and technologies, such as the same framework and RDLC for report viewing. My responsibilities included conducting research and development for new features and creating new modules, such as Task Management, Integrated Seed Software, Accounting Module, and Client Relationship Module. Additionally, I worked on core modules like User Management, Leave Management, Human Resource Management, Payroll, Provident Fund, and Inventory Management, contributing to the comprehensive enhancement of Krishibid Group's ERP system.

The research opportunities and faculty field of expertise are very impressive at University of Maryland Eastern Shore. The university's commitment to innovation and excellence to their graduates which is perfectly align with my academic and career aspirations. I am particularly drawn to the opportunity to work with renowned faculty member s who are at the forefront of cutting-edge research in Computer Science.

In conclusion, I am excited about the prospect of furthering my education and contributing to the advancement of technology. I am confident that the Master's program at University of Maryland Eastern Shore will provide me with the knowledge and skills I need to succeed in the field of Computer Science. I am eager to embark on this new chapter in my life and look forward to the opportunities that lie ahead.

Thank you for considering my application.

Sincerely,

B.M. Aniruddho Islam

Signature

date