Letter of Motivation

Dear Sir/Madam,

INTRODUCTION :

I am feeling very grateful to write about myself as a candidate for a Master's Degree in Computer Science at the esteemed – Saarland University.

As a full-stack Developer with a strong academic background in Computer Science and Engineering, my interest in Computer Science is getting reinforced.

ACADEMIC AND EXPERIENCE BACKGROUND :

I completed my Bachelor of Engineering in Computer Science & Engineering from the Dayananda Sagar College of Engineering (DSCE), affiliated with Visvesvaraya Technological University (VTU), in November 2023 with an honorable CGPA of 8.8. Prior to that, I completed my Pre-University Examination (Class 12th) in May 2018 with a score of 89.4% and my Secondary School Examination (Class 10th) in May 2016 with a CGPA of 9.4, both from institutions in India. Additionally, I have demonstrated proficiency in English, evidenced by an IELTS Overall Band Score of 7.5, completed in September 2023. During my bachelor studies, I worked on a Thesis project titled Traffic Management using IoT and Deep Learning techniques. I also had the opportunity to make an internship within Software AG company in Bangalore in which I assisted the full-stack development team. Since then, I am very delighted to work as a full-stack developer within Persistent Systems Limited where I am lucky enough to work on Back-end missions for the American Big Pharma company Johson & Johson.

WHY YOUR COURSES/PROGRAMME :

After my bachelor studies, I decided to get into professional life to gain more practical skills in Computer Science. Throughout my work experience, I handled full-stack development missions ranging from front-end to back-end programming. While working on my different missions, I was not completely satisfied because I realized that I had shortcomings. Indeed, I don't feel I am efficient enough because I miss some elements linked to Cybersecurity issues, database management efficiency, and compatibility with different operating systems. This is why the more I delve into my work, the more I realize how core topics of Computer Science are interdependent because they are all necessary to have a large overview of what I am currently working on. Consequently, I noticed that I needed stronger knowledge of database management, software engineering methods, and system architecture. I am very confident that the corresponding core topics of Computer Science taught in your program, combined with the necessary mathematical and theoretical knowledge, will help me fix this issue. I am also confident that such a Master's will give me the key to finding (/paving the path of) my future area of specialization. Your diverse pedagogic tools alternating between teamwork, seminars, and lab courses are essential for my academic fulfillment. Thus, your program would be extremely valuable to enhance my IT career.

WHY YOUR UNIVERSITY AND TOWN :

Saarland University has a large number of students – about 16,000 and a significant number of international students. I have a keen interest in research projects at the University with the Max Planck Institute for Informatics. This research center focuses on algorithms and complexity, as well as the logic of programming. I am particularly amazed by the expertise of Prof. Dr. Bernt Schiele, newly appointed as the director of the Vision and Language Models research area. His research interests in sensors matched with my bachelor thesis titled Traffic Management using IoT and

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Deep Learning techniques since sensors play a crucial role in monitoring all types of traffic flows to detect all elements of traffic congestion. His research aims to make progress on how to process, structure, access and understand multi-sensory data both for online use as well as for large-scale databases. Additionally, Saarbrücken is located in the Rhine basin, a popular area for IT industries. Indeed, Saarbrücken has multiple IT-related companies like Orgasoft Communal, Software AG in which I made my internship in Bangalore, and above all the German Research Center for Artificial Intelligence (DFKI), which is one of the largest AI research centers worldwide. These companies are involved in various aspects of electrical engineering, manufacturing, and automation technologies. Personally, I have never been to Saarbrücken but I attended the virtual tour on your website, and I fell in love with this charming town because it offers all the necessary facilities for student fulfillment and happiness and Saarbrücken proximity at the border makes it an ideal place for openness and attractivity.

WHY GERMANY :

Over the last decade, we can observe that Germany has become one of the popular destinations for international students who want to pursue their higher education abroad. There are many reasons behind it. Many of the top-ranked universities are located in Germany. The country has a robust economy, high life quality, and an excellent education system. Germany is one of the best deliverables which is internationally recognized and primarily relies on research, thesis, and works-on training. Moreover, I am eager to be part of an Indo-German program of cooperation in IT fields such as Robotics, Industrial Automation, Network, and Digital Transformation: During my academic course, I attended conferences from The Indo-German Robotics & Automation Cooperation (IGRAC) which gave me a great insight about exchanges' programs between Indian and German institutions and companies. Considering these reasons, I have concluded that Germany is the best choice for me.

FUTURE PROSPECTIVE AND CONCLUSION :

After I talked with some alumni from your program who currently have positions as software and data engineers, and other IT specialists, I am convinced that for all the above reasons, your program offers the skills I need to ensure my future academic and professional success with a strengthened position in development and software engineering. I am also convinced that your studying environment will stimulate my development as a human being passionate about IT.

I look forward to taking the lessons that I will learn from this Master's program and applying it to my future career. I would like to request you to accept my application and give me a chance to be a part of your institution

Abriti Chakraborty