

Letter of Motivation

I am **Manjunath Ravishankar**. I am an aspiring applicant for **Master's degree in Embedded Systems to the Saarland University**. I am a graduate of Bachelor of Engineering in Electronics and Communication Engineering from **Visvesvaraya Technological University, Belagavi, Karnataka, India** with a **CGPA of 8.25 CGPA** and German Grade: 2.05.

Being a student of Engineering, I interacted with subjects like Digital Signal Processing, Digital Communications, Embedded Systems, Data Structures Using C++, VLSI Designs, etc. My Bachelor's project was developed through the knowledge acquired from these subjects. The project was based on "Voice Controlled Wheelchair" and aimed to develop a voice-controlled wheelchair that uses an Android application and a microcontroller to receive human voice commands via Bluetooth for user control.

Apart from academics, I have completed two internship programs as of now. My internship with Bharat Electronics Limited, Bengaluru, was centered on the topic of "Overview of Components SBU in Components," and my other internship with Aqmenz Automation Private Limited, Bengaluru, was on the topic of "Artificial Intelligence - End to End Development." Additionally, I have acquired "Real-World Machine Learning Applications - Development Deployment" which is a Skill Development Course offered By "Aqmenz Automation Private Limited."

My preference of **Germany** as the country I wish to advance my academics in is influenced by the fact that it has an esteemed global standing in scientific research and modern technology. German universities are renowned for their comprehensive academic benchmarks, and their tenacious dedication to research innovation is emboldened by generous funding and fruitful collaborations between academia and industry, maintaining a dynamic environment conducive to both theoretical exploration and practical application. Germany is both an incredibly beautiful country as well as has a strong industry base, particularly in sectors like automotive, manufacturing and IT which allows the students of German universities to be sufficiently equipped to strive for professional and academic success.

I have applied for the **Saarland University** with utmost faith in its educational staff and resources. This university is said to be one of the youngest universities in Germany. However, it has quickly gained recognition for its academic excellence and research contributions. I am intrigued by Saarland's academic philosophy as well as their diverse course offerings. It has a strong focus on internationalization and offers numerous exchange programs, and English-taught degree programs. Established in 1948, the university has developed a reputation for excellence in both teaching and research, attracting a large number of student from around the world aspiring to be a part of it. The campus holds numerous research centers and institutes, such as the Max Planck Institute for Informatics and the German Research Center for Artificial Intelligence (DFKI), creating an interactive academic environment. All of these reasons inspire me to apply for admission at Saarland University.

Throughout the program, students would have the opportunity to derive knowledge about the specifications of Embedded Systems. They can attain a detailed understanding of embedded system architecture, hardware-software co-design, and real-time computing. They can also learn to interface embedded systems with various hardware components, including sensors, actuators, and communication modules, as well as enhance their abilities in diagnosing and fixing issues in embedded systems through effective troubleshooting and debugging techniques. A degree in this program from these esteemed university can open doors for me to rewarding and intellectually stimulating opportunities in the ever-evolving field of technology.

My pursuit of a master's degree in Embedded Systems would help me in securing admirable positions in any reputed organizations. It would be a great honor for me to be a part of the Saarland University.

Thank you for considering my application.

Manjunath Ravishankar