

Goal Statement of Purpose

From Hindupur, Andhra Pradesh, India, I go by **Joshitha, Lakshminarayana**. Applying at the esteemed **TU Hamburg for the MSc in Electrical Engineering (Information and Communication Specialisation)** programme is me I want to convey in my letter my great drive and real enthusiasm in enrolling in this course.

Academically, I will complete in July 2024 my **Bachelor of Engineering in Electronics and Communication Engineering** from Visvesvaraya Technological University, Belagavi, India, with a **CGPA of 7.17**. Before this, in 2018 I finished my high school with a **76.16%** on my final tests in the Indian Certificate of Secondary Education (10th). Under the Government of Karnataka Department of Pre-University Education completed my 12th Class. Along with academics, I developed practical knowledge working in the **R&D - Wireless Department of Tejas Networks Ltd., Bengaluru, India**. These encounters have sought professional development and helped me grow in content writing, research, and editing. Along with other certificates, I have ones for clearing **Certificate A, B, and C Examinations** for Cadet under the Authority of the Ministry of Defence, Government of India. My whole **IELTS band score of 6.5** shows that **I have good language ability**.

By means of my internships and undergraduate education, I developed a strong basis in electronics and communication engineering. I looked at subjects including Basic Electronics, Engineering Graphics, Network Theory, Analog Circuits, Electromagnetic Waves, Microwave and Antennas, Cryptography, and Network Security. Different projects and internships that have stoked my passion in electronics engineering have enhanced my academic path. Working on **"Currency Detection and Verification Using Image Processing,"** one of my most noteworthy projects, I created a method to sort Indian money into authentic or false groups. Targeting urban surveillance systems, another study concentrated on **"Human Suspicious Activity Detection Using Machine Learning."** Along with sharpening my technical abilities, these projects have piqued my interest in microsystems and their uses.

The MSc in Electrical Engineering (Information and Communication Specialisation) is the ideal chance to expand my knowledge in fields of passion, thus I decided to study it. A family event whereby we encountered problems with communication networks during a natural disaster piqued my curiosity in this sector. This personal experience inspired me to help find answers that might enhance communication systems in such important moments. Studying courses like Network Security, Signal Processing, and Communication Systems excites me most. These classes will clarify the several approaches applied in information and communication technologies. The curriculum will enable me to expand my knowledge, thereby preparing me for a fulfilling employment as a communication systems specialist or research engineer.

Among this topic of study, TU Hamburg is a leading university. Its intellectual quality is shown by its high placement in several worldwide university lists. The institution presents modern facilities, a varied student body, seasoned faculty, and a location situated in a busy city. Though I have no personal ties at TU Hamburg, the experiences of past and present students motivate me. Notable research centers and faculty with subject-matter expertise abound at the university Hamburg is the perfect destination for me to study since of its dynamic employment market and rich culture. Businesses in the city, including Siemens and Airbus, are well-known for recruiting TU Hamburg graduates, thereby offering great career possibilities.

Germany is the country I wish to study in since the field of education here is significantly better than in others. I wish to be among the rich German culture, diversity, and good exposure. Germany's great focus on research and innovation led me to decide on it for my master's degree. Studying in Germany will enable me to develop personally and professionally equally. German culture, which is renowned for its discipline and efficiency, is one which I wish to really absorb. My choice to study here was much influenced by Germany's strong economy and great standard of living as well.

Following my master's degree, I hope to be working in Germany in positions include research scientist in information and communication technologies or communication systems engineer. The TU Hamburg curriculum will provide me the technical know-how and interpersonal skills required to shine in these roles. Helping initiatives aiming at enhancing emergency communication systems really piques my curiosity. Along with working with top businesses, I wish to help to produce creative ideas in the field of information and communication technologies.

Finally, I am sure that my solid academic background, internships, and professional training equip me to be a qualified applicant for the TU Hamburg MSc in Electrical Engineering (Information and Communication Specialization) program. It gives me great pleasure to offer to this prestigious university my knowledge and abilities so helping the field of electrical engineering.

I appreciate your consideration.

Indeed, sincerely
Joshitha, Lakshminarayana