

LETTER OF MOTIVATION

My name is **Anjana Shaji from India**. I am writing to express my interest in pursuing a **Master's in Nanoelectronics System at TU Dresden**, a renowned institution known for its excellence in research and innovation. With a strong academic foundation, diverse professional experience, and a passion for exploring cutting-edge technologies, I am confident in my ability to thrive in this program and contribute meaningfully to the field.

During my **Bachelor's in Electronics and Communication Engineering**, I consistently excelled academically, achieving a remarkable **CGPA of 9.51**. My dedication to learning was further demonstrated through **my bachelor's project on "Efficient video forgery detection via inconsistency of correlation between fused feature pattern of frames"**, which honed my analytical and research skills.

In addition to my academic achievements, I have gained valuable **professional experience as an Engineer Trainee at Larsen & Toubro Technology**, where I worked on diverse projects that enhanced my problem-solving abilities and technical proficiency. Furthermore, I **completed a two-month internship as an Android App Developer** with Life First and Universal Cycle Project.

I have also pursued various technical certifications and online courses to enhance my skill set. These include completing an **online internship on Industrial Training on IoT** and obtaining certificates of completion for courses such as **AWS Cloud Practitioner Essentials; Python Data Structures; and Programming for Everybody (Getting Started with Python)**.

I have obtained an **overall score of 7.0 in the IELTS test, taken on 24/12/2023**, demonstrating proficiency in the English language necessary for academic success.

My fascination with emerging technologies and my desire to contribute to groundbreaking advancements in the field of electronics drive my aspiration to specialize in Nano electronics System. The Master's program at TU Dresden offers a comprehensive curriculum that delves into advanced topics aligning perfectly with my academic interests and career goals.

With Master's in Nano electronics Systems, I will acquire a range of technical skills crucial for innovation in the field. These include proficiency in nanofabrication techniques such as lithography and etching, as well as expertise in designing and analyzing Nano scale electronic devices and systems. Additionally, I will develop skills in advanced characterization methods such as electron microscopy and spectroscopy, enabling me to understand and optimize the performance of Nano electronic components. Moreover, I will gain experience in simulation and modeling tools for predicting the behavior of Nano scale devices, facilitating the design of novel electronic systems with enhanced functionality and efficiency.

Germany's reputation as a global leader in technology and innovation, coupled with its strong emphasis on research and development, makes it an ideal destination for pursuing higher education. The country's robust economy, vibrant cultural landscape, and diverse academic offerings create an enriching environment for personal and intellectual growth.

Moreover, Germany's commitment to sustainability and environmental stewardship aligns with the ethos of nanoelectronics research, which often focuses on developing eco-friendly and energy-efficient technologies. Students can contribute to this ethos through interdisciplinary collaborations and projects aimed at addressing global challenges, further enhancing their academic journey and impact on society.

TU Dresden's distinguished faculty, state-of-the-art research facilities, and collaborative interdisciplinary approach to education make it the perfect fit for my academic and professional aspirations. The opportunity to work closely with renowned experts in the field and engage in cutting-edge research projects will provide me with the knowledge, skills, and experiences necessary to excel in my chosen career path.

I am confident that my academic background, professional experience, and passion for technology make me a strong candidate for the Master's program in Nano electronics System at TU Dresden. I am eager to leverage this opportunity to broaden my horizons, expand my skill set, and make meaningful contributions to the field of Nano electronics.

Thank you for considering my application.

Anjana Shaji