

Letter of Motivation

Dear Admissions Committee,

My name is **Santhosh Narayanan**, and I hold a Bachelor of Engineering in Automobile Engineering from Anna University in Chennai, India. I am writing to convey my strong interest in the **Master's in Electromobility-ACES program at FAU Erlangen University**. With a solid academic foundation, extensive professional experience, and a well-defined vision for my future, I am certain that this program is an ideal fit for my aspirations and academic objectives.

Academic and Professional Background: Throughout my academic journey, my passion for automotive engineering and electromobility has been unwavering, driving me to explore the realms of technological innovation and problem-solving within various automotive contexts. At Anna University, I studied a diverse range of subjects including Automotive Engines, Automotive System Design, and Physics of Material. I maintained a commendable **CGPA of 8.22 (German Grade: 2.31)** and am expected to complete my degree in June 2024. My dedication and proficiency in this field have been evident throughout my academic journey. I have consistently demonstrated academic excellence throughout my education, as evidenced by my high school performance with scores of **78% in 12th grade (German Grade: 1.99)** and **76% in 10th grade (German Grade: 2.05)**. I also have demonstrated my proficiency in the German language by completing **A1 level** from Inaword Centres of Language.

I have also gained practical experience through various internships and roles in the automotive industry. As an Administration Manager at Impex Components, I managed production, oversaw wiring assembly, and led teams to ensure efficient and accurate production. Additionally, during my internship at TEDI India, I gained hands-on experience in the EV industry, assembling intricate wiring harnesses and acquiring comprehensive knowledge of EV manufacturing processes. My bachelor's projects, such as "Car Windows - Digital Screen" and "Design and Optimization of Wheel Hub Assembly," allowed me to apply engineering principles to real-world problems, enhancing my technical skills and understanding of automotive systems.

Extracurricular Activities and Skills: In addition to my academic and professional experiences, I have actively participated in various extracurricular activities that have enhanced my creativity and problem-solving skills. Notably, I have been involved in boxing, achieving significant recognition and awards, which has instilled in me discipline, resilience, and a competitive spirit. My technical skills in areas such as EV manufacturing, electrical wiring, and simulation software like Ansys, combined with my strong communication, presentation, leadership, and problem-solving abilities, make me well-suited for a career in electromobility.

Why I Choose This Course? The Master of Science in Electromobility-ACES program resonates with my academic and career objectives. With a keen interest in automotive engineering and electric vehicle technology, I am intrigued by the program's robust curriculum. I look forward to delving into advanced topics such as electric drive systems, battery technology, and vehicle dynamics, essential for navigating the complexities of electromobility and developing innovative solutions in this cutting-edge field. This program offers an ideal platform for honing my skills and pursuing a rewarding career in the automotive industry.

Why I Choose This University? FAU Erlangen University's esteemed faculty, advanced facilities, and commitment to academic excellence make it the ideal choice for pursuing my master's degree in Electromobility-ACES. I am impressed by the university's focus on research-driven teaching methods and its dynamic academic community. Additionally, the opportunity to collaborate with industry leaders and engage in internships will provide invaluable practical experience and networking opportunities in the field of electromobility.

Why I Chose to Study in Germany? I chose to study in Germany because of its renowned reputation as a center for engineering excellence and innovation. By pursuing my studies here, I will have access to cutting-edge education, diverse cultural experiences, and numerous career opportunities in the engineering field. Furthermore, Germany's status as a global leader in technology, particularly in the automotive industry, offers unparalleled opportunities for engineering students like myself.

Aspirations and Objectives: Upon completing my Master's in Electromobility-ACES, I aim to step into a leadership role, using sophisticated analysis to guide important decisions and spark creativity. My goal is to apply the latest methods to tackle tough engineering problems, helping companies grow and stay ahead of the game. I plan to keep learning and adapting to new tech trends, staying right at the front of the electromobility revolution. Ultimately, I see myself leading projects that use electric vehicle technology to make the world a better place, both in business and beyond.

Thank you for considering me—I look forward to starting this new chapter at FAU Erlangen University.

Sincerely,

Santhosh Narayanan