

STATEMENT OF PURPOSE

I, **Jwalitha Nalla**, am writing this letter to show my interest in the **Master's degree in Biochemistry** at **Technische Universität Dresden**. I am driven by my passion for research and a desire to contribute my best to the field of biochemistry. I took the **IELTS test on October 29, 2023**, and got an **overall score of 7.0 (C1 level)**.

Academically, I am pursuing a **Bachelor of Science in Biotechnology** at the Gandhi Institute of Technology and Management from August 2021 to June 2024 (expected). I had a CGPA of 9.06 (equal to a German grade of 1.47) up to the 5th semester. Before that, I got a score of 92.3% on my intermediate examination (April 2019–May 2020). I got a CGPA of 9.3 on my Secondary School Certificate (April 2017 - March 2018). These accomplishments reflect my dedication to learning and my ability to excel in academics.

I did internships at:

- Niper Hyderabad from May 29, 2023, to July 3, 2023
- Teachnook from September 1, 2022, to September 30, 2022.

I also volunteered at a three-day international conference at GITAM. It was on "Green Chemistry Solutions for a Sustainable Future" from September 20–22, 2023.

This course combines biology and chemistry, which matches my academic background and research interests. This is the main reason behind my motivation. I am also excited about the chance to explore topics in technical biochemistry. In terms of learning outcomes, I will gain critical thinking skills, lab experience, and research exposure from this program. These skills will give me the tools I need to contribute to the field. They will also pave the way for a career in biotech research or the drug industry. The course structure has six required modules and also has elective modules. I believe this structure provides a strong base for advanced research.

The skills and knowledge I will gain from this course will prepare me for diverse careers. These include roles like **biochemical researcher, pharmaceutical scientist, and biotechnologist**. It can also lead to a career in academia.

I chose Germany for my graduate studies because of the country's reputation as a global leader in research and innovation. Germany is committed to sustainable development and is a **pioneer in green chemistry** which matches my interest in environmentally conscious science. Germany has over 1,000 public and recognised private higher education institutions and more than 400 research institutes. This makes Germany a great place for science. Germany has a rich scientific heritage, which is exemplified by Nobel laureates like Otto Warburg and Hans Krebs, who made groundbreaking contributions to biochemistry. The heritage serves as an inspiration. Also, Germany emphasises practical training and industry collaboration. This emphasis offers an ideal place to connect theory with real-world use.

Technische Universität Dresden stands out as my top choice for several compelling reasons. It consistently ranks high in international university assessments. In 2021, it placed in the **201-300 group in the Academic Ranking of World Universities**. In 2022, it took **172nd place in the Times Higher Education Ranking**. These rankings speak volumes about its academic excellence. The university is committed to quality education. This is shown by the accreditation of its study programmes by the **Commission for Quality in Teaching and Learning**. This commitment assures me of a standard and valuable learning experience.

I am eager to contribute and learn from the diverse and smart environment at Technische Universität Dresden. I look forward to the opportunity to further discuss my application, and I thank you for your time and consideration.

Sincerely,

Jwalitha Nalla