

I am **Venkata Sai Mahima**, an Indian citizen currently engaged as an **Engineer at Mercedes-Benz Research & Development India**. My professional role involves leading critical projects such as the development of CODEX - a Command Execution Platform that enhances vehicle command processing and data transmission using cutting-edge technologies like Vue JS and Azure App Services.

Academically, I have completed my **Bachelor of Engineering degree in Computer Science and Engineering** from PES University in India, with a **German grade of 1.98** in the year 2022. I also worked on a bachelor project, titled "Prediction of Diagnostic Trouble Code for Causality Checks Using Data Mining Techniques," which was presented at the Ninth International Conference on Business Analytics and Intelligence held by the Indian Institute of Management Bangalore from December 15 to 17, 2022.

Though I have completed 16 years of my education in English as the medium of instruction, yet in order to evaluate my proficiency in English, I took an **IELTS Test** and secured an **overall Band score of 8.0 CEFR level C1**. Moreover, I completed my German Language **Level A1 from Goethe Institute** in 2019 with an **overall Band score of 88 and Level A2** in 2023 with an **overall Band score of 81**.

I did certificate courses which include Data Science 2021: Complete Data Science & Machine Learning" from Udemy and the "React JS - Complete Guide for Frontend Web Development (2021)" online course from Udemy, totaling 22 hours, on June 2, 2021. In addition, I am proficient in C/C++, Python, Java, MySQL, Vue & React, SpringBoot, and Azure Cloud.

Apart from my academic and technical achievements, I have also been involved in various extra-curricular activities. I received certificates for academic excellence at PES Institutions and played a key role in organizing KALPANA, a 24-hour Make-a-thon. I also earned distinction for academic performance. Furthermore, I passed the **Bharatanatyam Junior Grade Examination with distinction** and received recognition through the **Spirit of Vidya Mandir Award** for embodying the institution's spirit.

Being from an engineering background and aiming to pursue an MSc in Information Management and Systems would add to my skill sets with a specialization. Also, the information system industry has expanded by 9.4% in reported terms, with a 2% cross-currency effect. With an additional revenue rise of \$19 billion over the same time, India's tech industry has reached a total value of \$245 billion in the fiscal year 2022–2023—which is a clear evidence of the current state of the business, which is expanding quickly.

Another reason to choose this course is - it will complement my previous education and help me keep up with the new technologies and trends used worldwide in order to get an accurate outcome. Furthermore the seamless fusion of data analysis, technology, and operational optimization in these contexts resonated deeply with me, prompting a desire to explore how these principles could drive transformative change on a larger scale. Upon completing this course, I aim to work as an information system Manager at **Mercedes-Benz** with which I will be able to apply all my leanings and keep myself updated with developments or innovations.

My decision to pursue advanced studies in Germany is influenced by a myriad of compelling reasons. Germany is globally recognized for its excellence in education, with numerous universities consistently ranking among the world's best. It is a hub of technological innovation, fostering a thriving environment for research and development. The nation offers a vibrant cultural scene and a high quality of life, making it an attractive destination for international students. Furthermore, degrees from German universities hold significant prestige worldwide. With a GDP of \$4.17 trillion in 2020, Germany stands as the largest developed economy in Europe and the fourth largest globally.

I have chosen the Technical University of Berlin because it aligns perfectly with my career goals, thanks to its distinguished faculty and state-of-the-art facilities. The university's diverse student population and demanding curriculum, which includes modules like distributed systems and networks, data and software engineering, promise a rich exchange of ideas and innovative practices. Under the guidance of renowned academics, I am eager to pursue a rigorous education that will prepare me to reach new heights in my professional journey. Enrolling at this institution marks a crucial step toward acquiring the specialized knowledge and skills vital for my future achievements.

Lastly, I would like to thank you for considering my application.

Regards

Venkata Sai Mahima