

STATEMENT OF PURPOSE

I am **Jyothi Suresha**, and I am thrilled to apply for the **Master's program in Information & Communication Technology** at **Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)**. This letter aims to highlight my academic background, professional experience, and motivations for choosing this course and university.

I completed my Bachelor of Engineering from Visvesvaraya Technological University (VTU) from August 2017 to June 2021 where I studied Electronics and Instrumentation Engineering. I got a great 9.33 CGPA, equal to a German score of 1.4. Before this, I did well in my pre-university from April 2016 to March 2017, getting 93.3%. I also did well in high school from April 2014 to April 2015, with a score of 90.4%. These scores translate to German grades of 1.3 and 1.4. These scores reflect my dedication and aptitude for technical and scientific learning. I have also shown my English skills by scoring 7.0 on the IELTS exam where I got 7.5 in Reading and 6.5 in Listening, Speaking, and Writing. These scores show a strong command of English.

My extracurricular activities include being a core committee member for Shoutout 12. I also acted in short plays at Ramaiah Institute of Technology from October 11, 2018, to October 13, 2019 which helped me develop teamwork and leadership skills.

I have completed several internships that have enriched my practical knowledge. I interned at Deevia Software (India) Pvt. Ltd. from May 3, 2021, to November 3, 2021 where I worked on image processing and embedded systems. Earlier, from March 22 to May 11, 2021, I interned at ABB India Limited where I worked on the design and engineering of control systems for crude oil terminals. Additionally, from August 3, 2020, to August 17, 2020, I interned at EdGate Technologies Pvt. Ltd., where I gained insights into ARM, VLSI, DSP, and advanced embedded controllers.

Since September 9, 2021, I have been working as a Software Engineer at HCL Technologies Limited as a Junior Developer-1 (L3) at Deutsche Bank. I have gained much experience in .Net, Unix/Linux, Oracle, and MSSQL-based apps. I work on reconciliation tools like GOBSS and IRT while doing database patching, backup and restore, and renewing dbPKI certificates in IIS.

I chose to study Information & Communication Technology because it seems to be the best natural next step from my previous studies. My undergrad courses covered subjects like Process Control, Robotics, and Control Systems and also, I got experience in embedded systems and machine learning from my internships. This matches well with the advanced topics in the Master's program. I am drawn to modules such as Communication Systems and Design of Integrated Circuits. They promise to deepen my understanding and open up diverse tech career opportunities. Completing the Master's program at FAU will open up diverse career opportunities. I aspire to take on roles such as Systems Architect, Communication Systems Engineer or Integrated Circuit Designer.

Germany invests a lot in research and development; 3% of its GDP goes to R&D. The country is home to some of the world's top technology companies. It has a strong infrastructure that supports innovation and growth. Germany has a thriving startup ecosystem and strong industry connections. It provides many opportunities for networking and advanced education. Due to all these factors, it is an ideal destination for my studies.

FAU is a top institution that is ranked 229th globally and 12th nationally in the QS World University Rankings 2024. In the field of computer science, it is ranked 142nd in the world by THE Subject Ranking. The university is known for its research facilities, and its curriculum blends theory with practice. Also, the faculty is renowned for their expertise and contributions, with the university having strong industry connections that focus on innovation. All this makes it perfect for aspiring engineers like me.

I am eager to join FAU for the Master's program in Information & Communication Technology. I am sure that the program will give me the knowledge and skills I need, which will help me excel in my career. I look forward to contributing to the lively academic community at FAU, which will help me pursue my passion for technology and innovation.

Sincerely,

Jyothi Suresha