Statement of Goals

My name is **Pranav Prakash, Menon,** originally born in Palakkad, Kerala, on October 11, 2002, and now living in Indore, Madhya Pradesh. The realm of technology has enthralled me ever since I first experimented with my family's old computer. This enthusiasm along with my computer science and engineering formal education has driven me to seek a **Master's in Software Technology at HFT Stuttgart.** The ideal follow-up to turn my curiosity into knowledge is this program.

From SRM Institute of Science and Technology, Tamil Nadu, India, I obtained my **Bachelor of Technology in Computer Science and Engineering** with a concentration on Cybersecurity graduating in May 2024 with a CGPA of **8.89 (German equivalent: 1.55).** This shows my solid computer science theoretical basis. Before that, I scored **90.16% (German equivalent: 1.44)** on the Senior School Certificate Examination (Class 12th) taken through the Central Board of Secondary Education in Delhi, India. Starting with the All India Secondary School Examination (Class 10th), also from the Central Board of Secondary Education, I scored **94% (German equivalent: 1.27** in May 2018). Also I have cleared my **IELTS with overall score 8.0 CEFR level C1.**

My dreams have also been greatly influenced by my work experience. From June 2023 until December 2023, I **interned at IDS Staffing LLC** as a **Development Intern** working on real-time multiplayer gaming backends utilizing Elixir and Phoenix for mass concurrency. Using Play Canvas, I also created interactive 2D games and cut reliance to increase load performance by 15% with sleek native animations. Working together with the design team, I combined technical capability with artistic components to produce coherent and aesthetically pleasing end products. Along with various technical qualifications, I have **Red Hat® Certified System Administrator (RHCSA®), Machine Learning** from Stanford University, and AWS Academy **Cloud Operations**. My bachelor's project on **"Credit Card Fraud Detection using Ensemble and Deep Learning"** improved detection accuracy and provided strong solutions addressing the difficulty of spotting fraudulent transactions in the banking industry.

HFT Stuttgart's outstanding reputation in creating a cooperative learning environment and emphasis on useful applications of software technology helped me choose it. The university's focus on multidisciplinary approaches exactly aligns with my goal to close the distance between computer science and practical applications. Highly relevant to my interests and future aspirations, HFT Stuttgart's Master's in Software Technology program includes courses including "Software Engineering," "Database Systems," and "Artificial Intelligence." Strong ties to the business of the program will offer priceless chances for hands-on learning and professional networking. Furthermore, the university's small size and dedication to individualized attention fit my learning style and help me to flourish in a motivating and encouraging academic surroundings.

Germany's reputation for excellence in engineering and data science education as well as its strong position in technological innovation appeal to me for study. The field of education in Germany is significantly better than in other countries, hence I wish to remain here. I wish to take in Germany's rich culture, diversity, and decent exposure. Germany presents a dynamic learning atmosphere and a strong international student community, hence I want to study my Master's degree there. Immersion in Germany's cosmopolitan surroundings will help me to develop personally as well as professionally. Learning more about Germany's effective work culture—which emphasizes accuracy and thoroughness—as well as about its principles will help me much in my future.

Because of its thorough concentration on advanced computing ideas, which fit my love of creating original software solutions, I decided to pursue a Master's in Software Technology. The curriculum gives me a strong skill set much sought for in the technologically advanced world of today by delving deeply into fields such software development, artificial intelligence, cloud computing, and data security. This degree will, in my opinion, improve my technical knowledge, critical thinking, and ability to solve problems. All of which are very vital for a successful career in the software sector, learning outcomes include mastering modern programming techniques, understanding complicated software systems, and achieving skill in software project management.

Working for top technological businesses as a **Software Developer or Cyber Security Analyst** in future interests me. The advanced technical expertise and interpersonal skills needed for these positions will come from the Master of Software Technology degree at HFT Stuttgart. It will help me to contribute to creative ideas and partner with experts in the subject. This degree will equip me with a strong basis in software technology and practical knowledge via internships and projects, therefore preparing me for a successful career.

Ultimately, I think I would be the perfect applicant for HFT Stuttgart's Master of Software Technology program. My fit for this program comes from my solid academic background, pertinent professional experience, and love of software technologies. Taking full use of the chances this program presents and helping the academic community at HFT Stuttgart excites me. I value your giving my application some thought.

Truly,

Pranav Prakash, Menon