

**Please describe your strengths and weaknesses. Please also describe how you have faced (or overcome) these weaknesses:**

My strength is adaptability. When I was a fourth-year university student, I was planning a project for a dynamic traffic control system using AI, and my supervisor suggested that we build a network system using STM32 microcontrollers. This was a new system that we had never experienced before. The members cooperated with each other, tried again and again even if they failed, and completed the system under the appropriate guidance of the supervisor. I try to keep trying again and again without giving up, properly incorporate the opinions of those around me, and value communication with my members. This allows me to adapt to things that I think are impossible at first and achieve results.

I am not good at speaking in front of people I don't know. In the mid-term presentation, I made my presentation only looking at people I know, not at people I don't know. I build trust by meeting my superiors and colleagues in person, and also try to create opportunities to talk to people I don't know by attending events such as job fairs.

**Please tell us about your hobbies and any special skills you have .**

My hobbies are reading novels and watching anime.

**Tell us about an experience in which you approached something with enthusiasm to solve a problem.**

In my final year of university, I had to create a project that expressed what I learned and my passion. I was interested in both coding and hardware, and I wanted to work on a project where the results were visible. So, after consulting with my supervisor, we decided to build a network system using STM32 microcontrollers. It was a difficult project because it was a new field for our team, there were few people in Bangladesh who worked with microcontrollers, and there were limited opportunities to get proper feedback. However, we worked together with the attitude of "keep trying even if we fail," and we tried and failed many times. We also set up a lab so that our juniors could work on similar projects in the future. From this experience, we learned the importance of "never giving up," "respecting the opinions of the team," and "the ability to solve problems on the spot," and we were able to turn our initial anxiety into concrete results.

**Please tell us your motivation and reasons for applying to Jatco**

I am majoring in information science, but regardless of my major, I want to be involved in products that I can actually see and touch and that have a meaningful impact on society. JATCO supports the growth of its employees through the New Leader System and overseas training. I felt that this was a workplace where I could grow while creating new value. I am interested in your e-Axle technology. If there would be a control system that could read the users behaviour and use that in shifting gears, it would reduce the pressure on the engine and do better performance. That's why I want to join the Development team to know more about the scope and use my experience to improve the technology. I would like to work in an environment like this, improving my skills and

contributing to society.

**Self promotion:**

I am currently conducting research to advance autonomous driving to Level 5, focusing on incorporating human-like reasoning for decision-making in unknown and unsafe situations. I have a bachelor's degree in Computer Science and Engineering, I have a strong foundation in programming languages and computational concepts. Additionally, I have worked on a project involving the STM32 microcontroller, giving me basic knowledge of embedded systems.

My current research focuses on adding human-like reasoning to decision-making in unknown hazardous situations, with the aim of contributing to the evolution of autonomous driving to Level 5. I have a Bachelor's degree in Computer Science and Engineering and practiced competition programming using C and C++. I also worked on a project using STM32 microcontrollers and acquired basic knowledge of embedded systems. My major is information science, but **regardless of my field, I want to work on products that I can see and touch with my own hands and that have a meaningful impact on society.**

**What did you focus on most in your home university?**

I mainly focused on learning programming and did competitive programming. During my bachelor's, I studied AI, Machine Learning, and Deep Learning, which are very important fields today. For my undergraduate project, I worked on building a network system using STM32-based control systems. This project also helped me gain practical experience with embedded systems and hardware integration.

**Please write in detail about the major and seminar you are working on. (200 characters or less)**

If a ball rolls onto the road while driving near a playground, the driver can slow down, thinking that a child may chase after it. However, conventional AVs rely on preprogramming and have difficulty recognizing danger. In this study, we integrate LLM as a decision-making agent in the ADS, enabling human-like reasoning within a multi-agent framework. This improves V2V communication and collaboration between vehicles, enabling more adaptive decisions.

**What challenges i faced in past:**

**When I first came to Japan,** I had no work experience and found it difficult to adapt to the Japanese work culture. Teamwork is very important in Japan. For example, in my part-time job at McDonald's, I noticed that everything from assembling burgers to managing orders is based on "smooth teamwork." At first, I struggled to keep up with

the pace of work. However, by observing my colleagues' communication, practicing pacing, asking for feedback, and learning from my mistakes, I gradually got used to it. As a result, I was able to get used to working in a team in a short period of time. Now I can contribute to the team with confidence and work cooperatively.