



Internship B-robots

Reflection

Bachelor's degree in the Applied Computer
Science

Ehran Lenaerts

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Campus Geel, Kleinhoefstraat 4, BE-2440 Geel

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1 INTRODUCTION

Throughout my internship journey, I had the privilege of immersing myself in a dynamic and enriching environment that enabled me to acquire valuable skills and knowledge. The opportunity to work on impactful projects, such as the Document Data Extraction project and the Brightest Computer Vision model, helped me expand my own technical skillset.

With immense gratitude, I look back on the challenges and accomplishments that have contributed to my journey of self-improvement. This reflection document serves as a platform for me to articulate the profound impact of my internship experience and the valuable lessons I have gained along the way. Join me as I delve into the profound insights, lessons, and growth that I have attained through my involvement in these different projects.

2 SUBSTANTIVE REFLECTION

In this section, I delve deeper into the substantial aspects of my internship experience, examining the accomplishments, current project status, and current usage of the project. Join me as I reflect on the meaningful encounters, impactful projects, and the profound impact they have had on shaping my journey towards becoming a more skilled and well-rounded professional.

2.1 Accomplishments

I am proud of the progress achieved during the Document Data Extraction project. The integration of various components within the pipeline and the commendable performance of the NLP model have been noteworthy accomplishments. Despite the evolving scope of the project, I am delighted to share that I successfully maintained its trajectory and mostly achieved the desired outcomes throughout the entirety of my internship.

Additionally, I am pleased to report that the Computer Vision model for the Proof of Concept idea showcased sufficient functionality. The model demonstrated its ability to effectively detect and interact with web elements, exceeding initial expectations. This accomplishment is a testament to the dedicated efforts invested in the development and validation of the Computer Vision model, underscoring its potential for future expansion and utilization.

The successful outcomes attained in both the Document Data Extraction and Computer Vision projects have solidified my confidence in my abilities and have provided me with a strong foundation for future endeavors. These achievements serve as a testament to the collaborative efforts, technical expertise, and commitment to excellence that characterized the internship experience at B-Robots.

2.2 Project status

While the Data Extraction project encountered some challenges along the way, it is important to acknowledge that it made significant strides towards completion. Unfortunately, due to the limited availability of data and the model's performance not reaching production-ready standards by the end of the internship, the project remained in the development phase. Despite this, it is worth highlighting that the Data Extraction solution came close to achieving the desired outcome.

Given the ongoing development and refinement required, the decision was made not to containerize the Data Extraction project at this stage. This decision ensures that further improvements and optimizations can be implemented, ultimately leading to a more robust and reliable solution in the future.

In contrast, the Computer Vision model successfully accomplished its intended purpose and can be considered a completed project. The model's functionality and performance met the expectations set for the Proof of Concept, delivering on its intended objectives. This success highlights the effectiveness of the collaborative efforts, rigorous testing, and meticulous development process employed to create a fully functional Computer Vision solution.

2.3 Usage

At present, the NLP model and GUI developed for the Data Extraction project will not be utilized, as they have not reached a state of completion. While significant progress has been made, further refinement and enhancements are required to ensure the solution meets the desired standards. Therefore, the decision has been made to defer their usage until they are fully finished and ready for deployment.

Conversely, the Computer Vision model has been successfully incorporated into the testing framework as part of the Proof of Concept. The CV model has proven its effectiveness and functionality, demonstrating its value in automating the detection and interaction with various web elements during the testing process. As a result, the CV model has been actively utilized, contributing to the overall success and efficiency of the testing framework.

While the Data Extraction components await their finalization, the usage of the CV model exemplifies the practical application of the developed technology and highlights its potential for future integration and expansion.

3 PERSONAL REFLECTION

As I look back on my internship experience, I am filled with gratitude for the valuable opportunities and growth it has provided me. Throughout the internship, I have not only developed my technical skills and knowledge but also gained a deeper understanding of teamwork, problem-solving, and professional growth. This section will explore the personal lessons learned, challenges overcome, and the impact this internship has had on shaping me.

3.1 Personal meaning and growth

The internship experience has left a profound impact on me, both personally and professionally. It served as a powerful reminder of the continuous learning journey I am on, highlighting the knowledge and skills that still lie ahead. Throughout the internship, I encountered new challenges and complex projects that pushed me beyond my comfort zone. These experiences made me realize that growth occurs when we step outside of familiar territory and embrace the unknown.

Moreover, the collaborative nature of the internship exposed me to the power of teamwork and effective communication. Working alongside experienced professionals and helping me learn to ask for help sooner was a massive benefit.

Beyond the technical aspects, the internship fostered personal growth by nurturing my resilience and adaptability. I encountered setbacks and faced unexpected challenges, but was able to overcome these. These experiences taught me the importance of a growth mindset and the ability to embrace failure as a stepping stone towards improvement.

Overall, the internship has instilled in me a deeper sense of self-awareness and a passion for continuous learning. It has shaped my perspective on professional development, instilling in me the belief that there is always room for growth and improvement. As I move forward in my career, I carry with me the invaluable lessons learned and the confidence gained during this experience.

3.2 Problems and solutions

During the course of the internship, I confronted a significant challenge that often hindered my progress: my own insecurity. This internal struggle occasionally prevented me from reaching out for assistance or showcasing my work confidently. Recognizing the detrimental impact it had on my growth, I actively sought ways to overcome this obstacle.

Additionally, I actively engaged in self-reflection and embraced constructive criticism as an opportunity for growth. Rather than viewing mistakes or challenges as personal failures, I reframed them as valuable learning experiences. This shift in mindset allowed me to approach setbacks with resilience and a determination to find solutions.

While overcoming insecurity is an ongoing journey, the internship served as a catalyst for personal growth in this area. I am proud to say that I made significant progress in acknowledging and addressing my insecurities, enabling me to fully embrace the learning opportunities and contribute effectively to the projects at hand.

Moving forward, I am committed to continuing my personal development journey, seeking out opportunities to challenge myself, and embracing discomfort as a catalyst for growth. By maintaining a growth mindset and leveraging the lessons learned during this internship, I am confident that I will overcome future obstacles and continue to evolve both personally and professionally.

4 CONCLUSION

My internship at B-Robots has been an enriching and transformative experience. Through working on projects such as Document Data Extraction and collaborating on the Brightest Computer Vision model, I have gained valuable technical skills, expanded my knowledge in the field, and overcome personal challenges.

I am proud of the accomplishments I achieved during my internship. Despite the Data Extraction project not reaching its intended completion, I am pleased with the progress made and the performance of the NLP model and pipeline. The Computer Vision model successfully fulfilled its purpose within the testing framework, showcasing the potential of its capabilities.

Moreover, this internship has had a profound impact on my personal growth. I confronted and addressed my own insecurities, learning to overcome them and embrace discomfort as an opportunity for growth. The supportive environment, mentorship, and self-reflection played pivotal roles in this journey.

Looking ahead, I am excited to continue my learning journey and apply the knowledge and skills gained during this internship. I am grateful for the valuable experiences, guidance, and opportunities for growth that B-Robots provided me.

In conclusion, my internship at B-Robots has not only deepened my technical expertise but also empowered me to overcome personal challenges and grow both personally and professionally. I am excited to carry forward the lessons learned and continue my journey towards becoming a successful professional in the field.