



To whom it may concern,

I am writing to recommend Nishchya Arya for employment as well as admission to master's programs with a focus on artificial intelligence, machine learning, data science, distributed systems, systems development, and DevOps.

Nishchya is currently a student in the Software Engineering and Management bachelor's program at Gothenburg University. He has successfully completed two of my courses, both of which are highly relevant to the aforementioned fields:

DIT822: Software Engineering for AI Systems [1] is a lecture-based course that covers the fundamentals of AI, machine learning, and deep learning as well as concepts for the software engineering of AI-enabled systems. In this course, Nishchya achieved a passing grade (3), demonstrating a good grasp of the material.

DIT826: Software Engineering for Data-Intensive AI Applications [2] is a project-based course where students build upon their knowledge from DIT822 to create a significant AI-enabled system of their choice. Alongside his teammates, Nishchya developed an AI-based content moderation system capable of analyzing user-provided text for harmful content. Nishchya contributed to multiple critical aspects of the project, including CI/CD, deployment, and frontend development. He earned the second-best possible grade (4) in this course, reflecting a very good ability to apply software engineering and AI concepts in practice.

In these courses, Nishchya gained proficiency in relevant libraries and technologies, such as Python, numpy, matplotlib, scipy, pandas, scikit-learn, Django, NLP, BERT, Hugging Face, and pyTorch. In particular, he developed an understanding of their functionality and their role in the overall machine learning pipeline. For the deployment of their application in DIT826, he successfully used Kubernetes and GCP, two particularly in-demand and challenging technologies.

In peer feedback for DIT826, Nishchya's teammates highlighted that he consistently contributed to the project, made constructive suggestions and took a proactive role during the distribution of tasks.

Thank you for considering Nishchya's application. I am confident that he has the potential to make significant contributions to your program.

[1] <https://kursplaner.gu.se/pdf/kurs/en/DIT822.pdf>

[2] <https://kursplaner.gu.se/pdf/kurs/en/DIT826.pdf>

Best regards,

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