

**Federal State Autonomous Educational Institution of Higher Education
Novosibirsk National Research State University (Novosibirsk State University, NSU)**

LETTER OF RECOMMENDATION

To whom it may concern,

I am delighted to recommend Masud Rofikul Al for your Master's program. As his scientific advisor and lecturer at the Faculty of Information Technology, Novosibirsk State University, I have known Masud since 2021 and had the pleasure of supervising his academic journey to his successful graduation in July 2025 from the Informatics and Computer Engineering program. He distinguished himself as an exceptional student, graduating with a flawless academic record and above average GPA .

I closely supervised Masud's research output. His Bachelor's Thesis, titled "Using Machine Learning Tools to Solve Direct and Inverse Problems in Determining the Parameters of the Environment Near the Well Using the Signals of the High Frequency Induction Logging While Drilling Device (VIKPB)," was successfully defended. The work not only demonstrates his sophisticated understanding of machine learning applications in complex geophysical problems but, more importantly, his capacity for independent research. This was clearly demonstrated when Masud proactively proposed expanding the research methodology to include a comparative analysis of classical machine learning methods alongside neural networks. This initiative significantly enriched the study, requiring him to master complex comparative metrics and successfully execute a revised research plan, demonstrating his strong capacity for independent, rigorous research.

Masud's commitment to scientific contribution extends beyond the degree requirement. Following the successful defense of his thesis, his work was refined into a co-authored scientific article that has been submitted and is under review for publication in the peer-reviewed proceedings of a conference. He further demonstrated his communication skills by presenting these findings at academic conferences. This early success in producing publication-quality work and articulating it effectively makes him well-prepared for graduate-level work.

Besides his thesis, I taught Masud in Object-Oriented Programming and supervised key group projects, where he consistently demonstrated strong technical knowledge, teamwork, and leadership, skillfully integrating complex concepts with practical, large-scale solutions. His resourcefulness is also noteworthy; when his research required greater computational power, he independently secured access to NSU's Information Computing Center, effectively managing a key logistical challenge.

Based on his established research output, intellectual maturity, and technical expertise, I believe Masud possesses the necessary drive for successful study and advanced research in your Master's program.

Please feel free to contact me at a.vlasov@nsu.ru if you require further insights regarding his qualifications.

Sincerely,

Scientific Advisor

Associate Professor, Novosibirsk State University

Senior Researcher, Laboratory of Machine Graphics Software Systems, Institute of Automation and Electrometry SB RAS

Vlasov Alexander Alexandrovich, Ph.D

08th October, 2025

