



Certificate no: UC-05af2818-c440-4e5c-80b0-bd19091f12e5

Certificate url: ude.my/UC-05af2818-c440-4e5c-80b0-bd19091f12e5

Reference Number: 0004

CERTIFICATE OF COMPLETION

Mathematics Behind Large Language Models and Transformers

Instructors **Patrik Szepesi**

Michael Getachew Abebe

Date **Feb. 10, 2025**

Length **4.5 total hours**