

Sample Letter of Motivation: University Admission

Fictional applicant, shared as a style reference. Never copy sentences into your own letter.

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Admissions Committee

M.Sc. Data Engineering

Technical University of Berlin, Germany

Dear Admissions Committee,

I am applying for the M.Sc. Data Engineering program at TU Berlin for the Winter Semester 2026/27. As a Computer Engineering graduate from Savitribai Phule Pune University with a CGPA of 8.2, I want to build the large-scale data infrastructure skills that my work so far keeps pointing me toward.

In my third year, I built a pipeline that pulled municipal air-quality readings from 42 sensors across Pune into a single dashboard, and the messy part was not the dashboard but the ingestion: broken feeds, duplicate readings and three different timestamp formats. During my six-month internship at a Pune logistics startup, I rebuilt their delivery-tracking ETL in Apache Airflow, cutting nightly processing from four hours to fifty minutes. Both projects taught me the same lesson: the hard problems in data live in the engineering, not the analysis.

TU Berlin's program addresses exactly this layer. The modules in Scalable Data Infrastructure and Stream Processing extend what I touched in Airflow into distributed systems, and the collaboration with the Berlin Institute for the Foundations of Learning and Data connects coursework to active research. The compulsory industrial internship structure matters to me, since my best learning has come from production systems rather than classroom datasets.

After the program, I intend to work as a data engineer in Germany's growing data sector and, in the longer term, bring large-scale public-data infrastructure experience back to civic projects in India like the one I started with in Pune.

I would be glad to contribute my ETL and civic-data experience to the program's project groups, and I thank you for considering my application.

Sincerely,

Ananya Sharma

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