

# Sample LaTeX Document

Pulakesh Pradhan

February 8, 2026

## 1 Introduction

This is a sample PDF generated from LaTeX. It demonstrates how clean and professional your documents can look.

## 2 Mathematics Example

LaTeX is famous for its mathematical typesetting capabilities.

The quadratic formula is given by:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \quad (1)$$

Also, Euler's identity is beautiful:

$$e^{i\pi} + 1 = 0 \quad (2)$$

## 3 Lists

Here are some reasons to use LaTeX:

- Excellent handling of mathematical formulas.
- Automatic generation of bibliographies and indexes.
- Consistent typography.

## **4 Conclusion**

Thank you for reading this sample document!