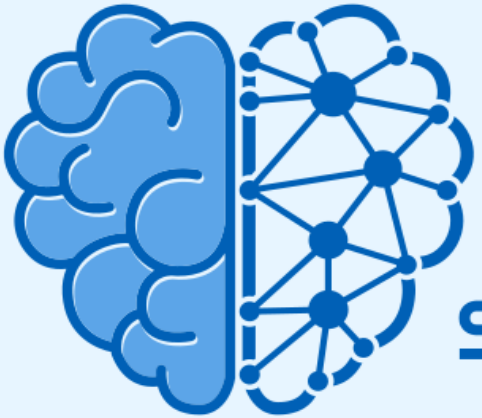


CAIR-Nepal

Shaping the Future with AI

CAIR-Nepal
Shaping the Future with AI

Using AI Tools For Academic Writing

Dr. Semih Yumusak

Research Fellow, University of Southampton

1 February 2025
Research Writing (Online)
Hosted by IEEE Pulchowk Campus & CAIR-Nepal

Outline

1. Introduction
2. AI for Academic Writing
3. AI for Code Writing

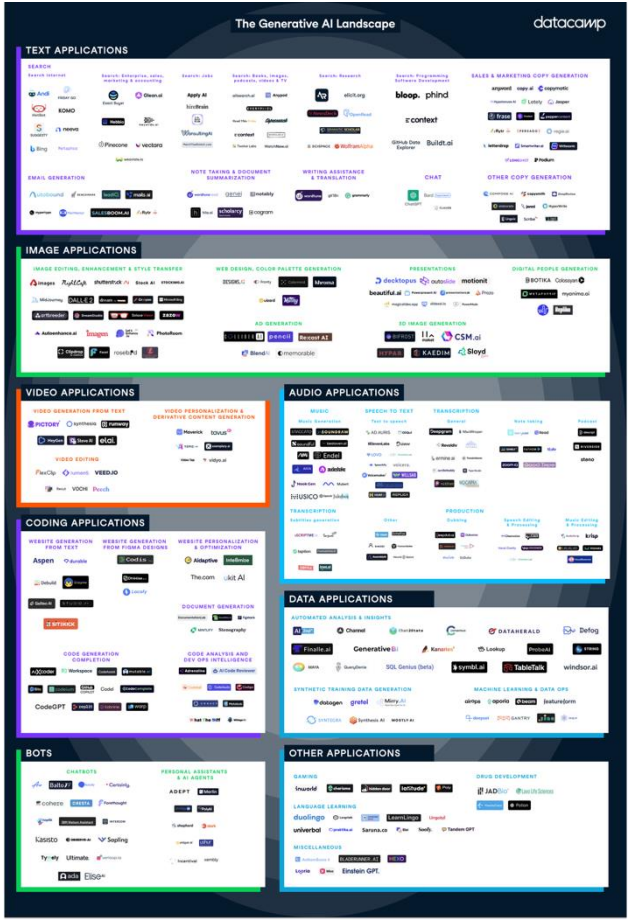
IEEE
CAIR-Nepal
Shaping the Future with AI

1.

Introduction

IEEE CAIR-Nepal Shaping the Future with AI

1. Introduction



2.

AI for Academic Writing

IEEE CAIR-Nepal Shaping the Future with AI

2. AI for Academic Writing

- Ethics: Do not ask an LLM to write your paper—it is plagiarism.
- **Good to know!**

  LLM-generated text:

  - Is detectable.
  - Can be incorrect.
  - Is based on a generic summary of prior knowledge.

IEEE CAIR-Nepal Shaping the Future with AI

2. AI for Academic Writing

- **Rule of thumb:**

  The better you understand, the better you ask.

  The more you know, the better you verify the output.

3.

AI for Code Writing

IEEE CAIR-Nepal Shaping the Future with AI

3. AI for Code Writing

- **Do not:**

  - Copy & paste if you don’t understand the meaning.

  - Let AI generate the main idea.

- **Do not:**

  - Use it as an assistant robot.

  - Utilise it for editing & proofreading.

  - Leverage it for code writing.

IEEE CAIR-Nepal Shaping the Future with AI

3. AI for Code Writing

- Know what you want.
- Understand the architecture.
- Develop your own high-level understanding.
- Let AI generate syntactic code lines.

IEEE CAIR-Nepal Shaping the Future with AI

Thank you!

IEEE CAIR-Nepal Shaping the Future with AI