CONTENTS

About the authors **7**

Disclaimer **9**

Acknowledgments **11**

Foreword **13**

Introduction **15**

Chapter 1. Understanding AI and GenAI 19

1. History 20

2. A world of modalities and players 35

3. ChatGPT: Behind the scene 47

4. Expected evolutions of GenAI 55

Chapter 2. Working with GenAI 65

1. The 10 generic use cases of GenAI 66

2. The art of prompting 78

3. 5 ways to collaborate with GenAI 90

Chapter 3. Dealing with the ethical and philosophical issues of AI 99

1. Ethical issues raised and 90+ ways to mitigate them 100

2. Some major initiatives for control and mitigation of AI 118

3. AI, Ethics and Philosophy 123

Chapter 4. Addressing the impacts of AI on employment and sustainability 133

1. Expected impacts on productivity and employment 134
2. Potential strategies for employers according to History 145
3. Environmental impacts 152
4. Economical impacts 160

Chapter 5. Reshaping the future with AI..... 165

1. Towards the quaternary economy 166
2. More technological revolutions to come 183
3. Resolve, sentience and intelligence: where does the true meaning of AI lie? . 194
4. To infinity and beyond: The 10 stages of AI 204

Conclusion 223

Appendix. How to write a book using GenAI? 225

Before we begin 225
Tasks and production times 226
Experience Feedback 227

The AI Glossary for shining at parties 229

Bibliography 235