Appendices

Appendices

Appendix 1: Research Tech Stack

For anyone who would like to repeat this research, here's a table with the software that this research project made use of.

Tool/Service	Category
Matplotlib	Data Visualization
NumPy	Scientific Computing
jupyter	Development Environment
seaborn	Data Visualization
Python	Programming Language
VSCode	Code Editor
GitHub	Version Control
fireflies.ai	AI Meeting Assistant
Google Meet	Communication
databricks	Data Platform
HuggingFace	Machine Learning
TypeScript	Programming Language
Tally	Form Builder
Zotero	Reference Manager
Quarto	Publishing/Documentation

Tool/Service	Category
Apache Parquet	Data Storage Format
Haystack	Search Framework
MongoDB	NoSQL Database
langchain	AI/ML Development

Tool/Service	Category
GitHub Copilot	AI Coding Assistant
Figma	Design Tool
Sketch	Design Tool
OpenAI ChatGPT	AI Assistant
Anthropic Claude	AI Assistant
Google Gemini	AI Assistant
Google Colab	Development Environment
Google Sheets	Spreadsheet
META Llama	AI Model
Mistral	AI Model
OpenAI API	API Service
Postman	API Testing Tool

Tool/Service	Category
Next.js	Web Framework
fullstory	Analytics
Polygon.io	Financial Data API
Hotjar	Behavior Analytics
Lottie	Animation Library
Docusaurus	Documentation
Google Analytics	Web Analytics
Google Maps	Maps/Location Service
vis.gl	Data Visualization Framework
Pinecone	Vector Database
Vercel	Deployment Platform
Vercel AI SDK	AI SDK
Radix UI	UI Library
highcharts	Data Visualization
React	Web Framework
Tailwind	CSS Framework
Markdown	Markup Language

Appendix 2: Further Reading

Some recommended books on the topics covered in this thesis include, but are not limited to:

- R. Buckminster Fuller “Operating Manual for Spaceship Earth”
- Victor Papanek “Design for the Real World”

- Jonathan Chapman “Emotionally Durable Design”
- Carlo Vezzoli “Product-Service System Design for Sustainability”
- Ezio Manzini “Design, When Everybody Designs”.