

RESEARCHER.AI

Navigate knowledge, Accelerate discovery

By

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Our team



Siddhesh.Sathe
Data Scientist /AI Engineer

Spent the last 7 years designing and building AI systems, currently working @ TTQ in London. Is passionate about building the future with AI



Emre.Pelit
Full-Stack Software Engineer

Working as a software engineer @TTQ in London. Passionate about working in industries like fintech on .NETcore, React, Angular, Azure.



Bhavdeep.Dhanjal
Software Engineer

Working on end to end web systems. Currently based in Stockholm @Spotify. Passionate about working at the intersection of product and AI



Ash.Kshirsagar
UI/UX Designer

Skilled in user experience and system thinking, her previous work have revolved around the idea of people/solving problems and is passionate about creating user centric application
Currently working @TTQ London

Problem Statement

Academic researchers struggle to efficiently navigate, synthesize, and derive insights from the ever-growing volume of scientific literature, leading to slower progress, potential oversights, and missed opportunities for innovation

The solution

Researcher AI is an intelligent, AI-powered platform that helps accelerate academic research process, what we built in this hackathon:

AI-Powered Pipeline with LangGraph:

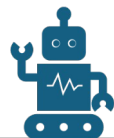
- Developed a streamlined workflow from user query to paper summary
- Utilized LangGraph for flexible, modular process management and future integration of multi agent systems.
- Enables easy modification and extension of the research pipeline

AI Model Integration:

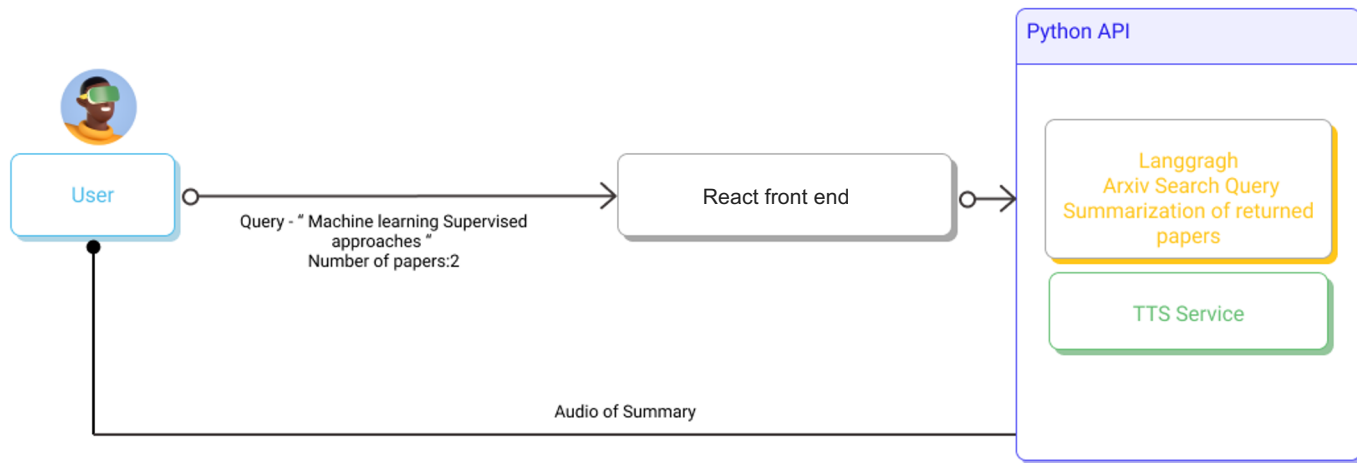
- Leveraged AI/ML API for accessing and switching between language models
- Allows easy updates and customization of AI models for summarization

Text-to-Speech with 11labs API:

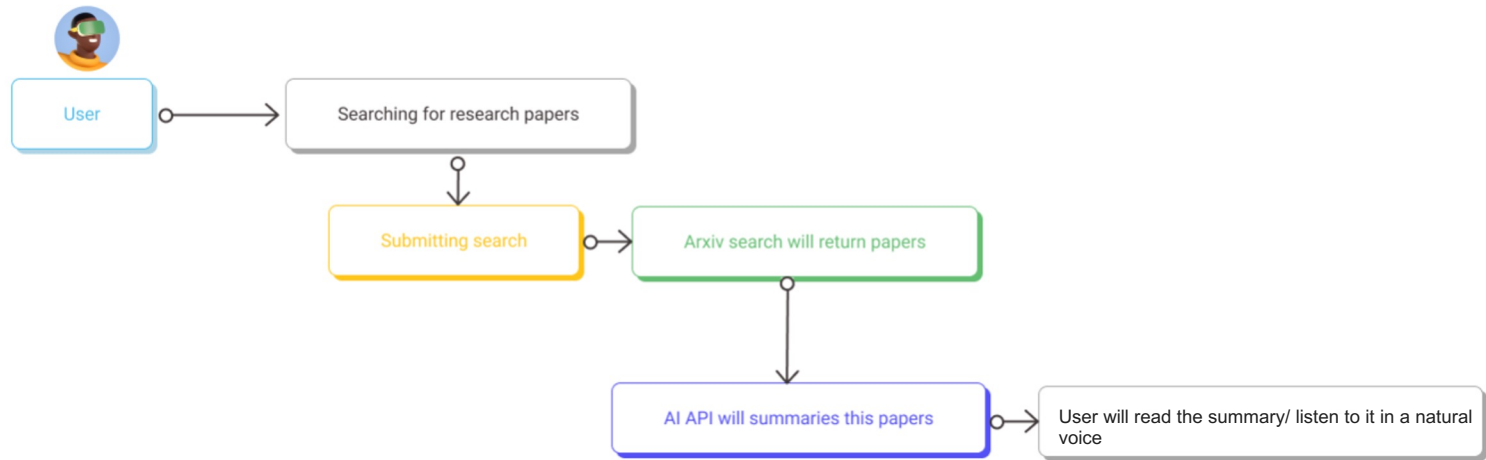
- Converts paper summaries into natural-sounding audio
- Enables on-the-go consumption of research content



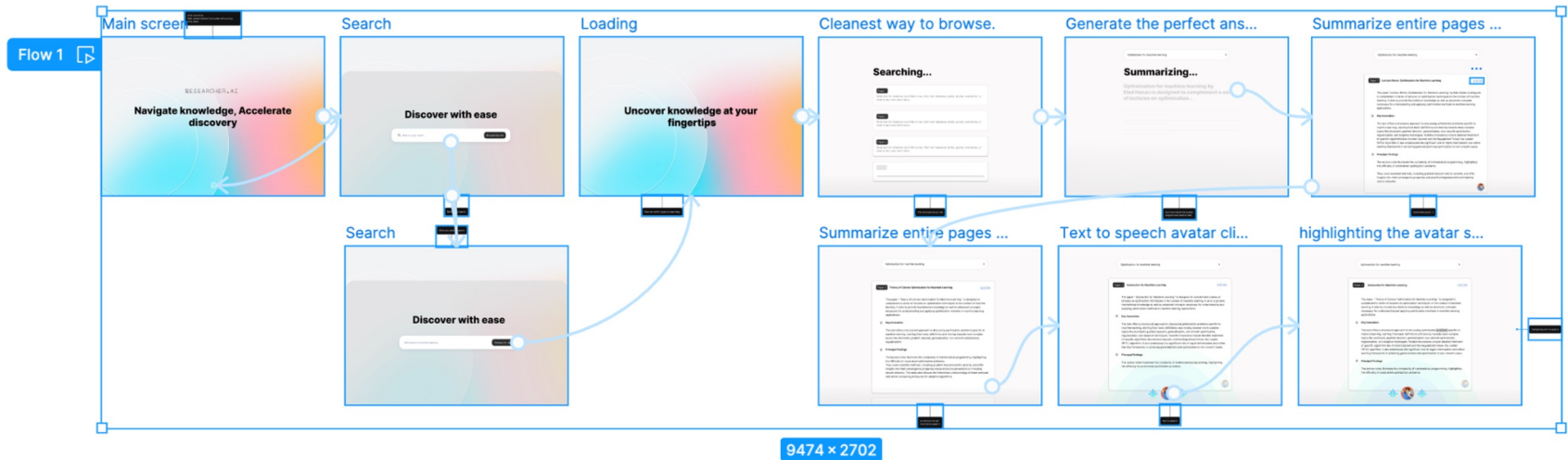
System Architecture



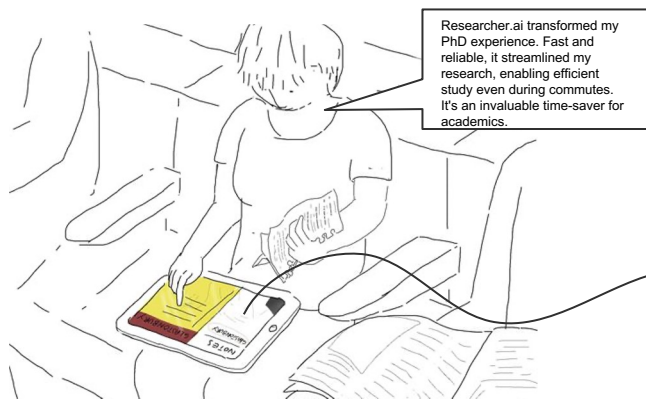
User flow journey



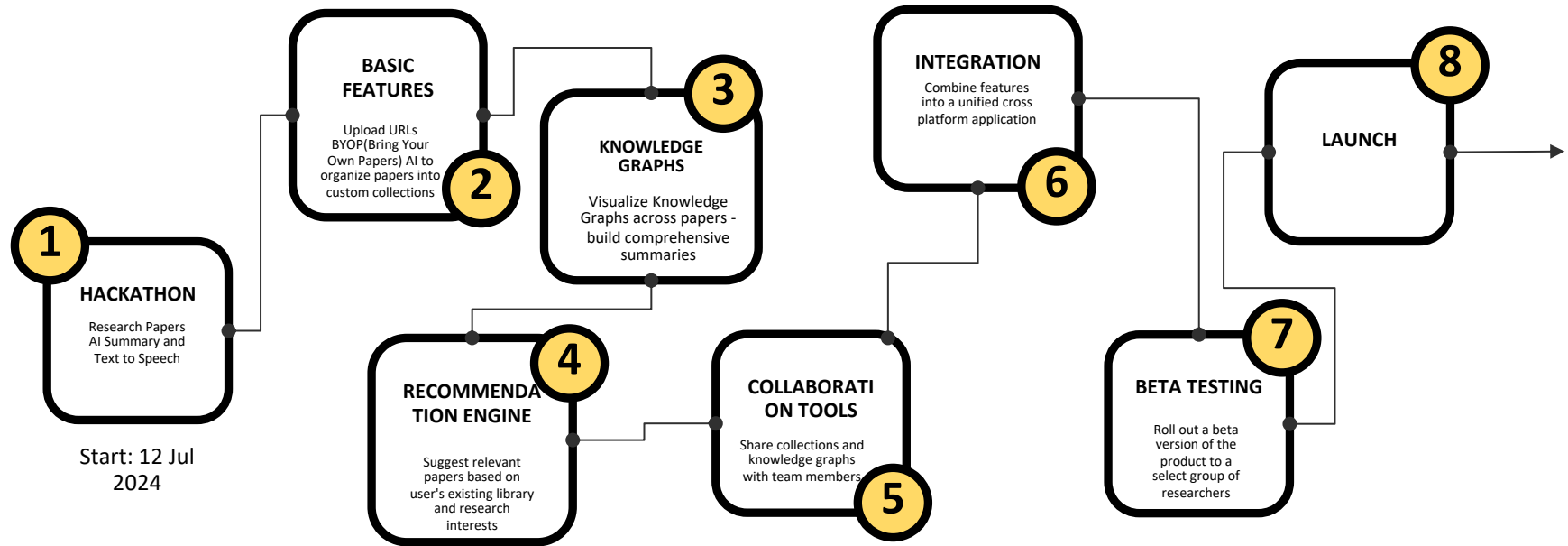
UI Thought process



Vision behind building



Product Roadmap



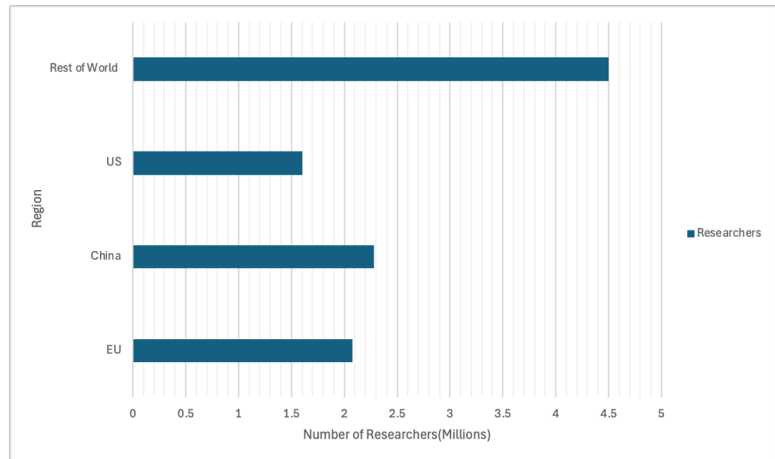
Market Opportunity

Total Addressable Market (TAM):

- Global researchers: ~10.5 million*
- Potential annual revenue: \$3.15 billion**

Serviceable Addressable Market (SAM):

- Target regions: EU, China, US***
- Researchers: ~6 million
- Potential annual revenue: \$1.8 billion



Competitive Analysis

Researchgate

Strengths: Large user base, paper sharing, networking

Weaknesses: Limited AI integration, no automated summaries

Mendeley

Strengths: Reference management, PDF reader

Weaknesses: No AI-powered search or summarization

Semantic Scholar

Strengths: AI-powered search, citation analysis

Weaknesses: No text-to-speech, limited summarization,

Sci-Hub

Strengths: Wide access to papers

Weaknesses: Legal issues, no AI features, no summarization

Revenue Model

Subscription Tiers:

- **Basic (Individual):** \$25/month Features: AI search, basic summarization, limited audio conversion
- **Pro (Individual):** \$50/month Features: Advanced AI search, full summarization, unlimited audio conversion
- **Team:** \$200/month (up to 5 users) Features: All Pro features + collaboration tools
- **Enterprise:** Custom pricing Features: All Team features + API access, dedicated support

Empower knowledge with every search

Thank You

- Langgraph for creating such awesome tool ML/AI for making access to all SOTA models accessible
- Special Thanks to our mentor Walaa Nasr for her timely inputs, validating our idea and sharing this amazing presentation template!
- Thanks for giving us a chance to participate in this hackathon and giving us a platform