

**NOTE** IT'S IN

**PROGRESS**

2025

VIGNESH RAPAKA

# PORTFOLIO

*Here's how I came  
here...*



*Hello there, i'm*

# VIGNESH RAPAKA



I've always been drawn to how things work—not just in a technical way, but in how people interact with them. Growing up, I had a habit of working on random ideas, redesigning everyday objects in my head, and obsessing over the little details that made things feel just right. But somewhere along the way, I found myself in commerce, following a more conventional path.

It wasn't until I got into product management, design, and entrepreneurship that everything clicked. Leading initiatives, designing user experiences, and understanding user psychology made me realize this was where I truly belonged.





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# ABOUT ME \*

PRODUCT MANAGEMENT

BRANDING

EVERYTHING DESIGN

PSYCHOLOGY

## INTERESTS

MUSIC

ENTREPRENEURSHIP

COOKING

TECHNOLOGY

## SKILL SET

EVERYTHING  
\* ABOVE AND MORE \*

STRATEGIC & PRODUCT THINKING

ADAPTABILITY & QUICK LEARNING

EFFECTIVE COMMUNICATION

COLLABORATION & LEADERSHIP

NO-CODE TOOLS | RESEARCH

USER EMPATHY | PROBLEM SLOVING





★ DESIGN CONSULTANT  
 OTSUN ELEVATORS  
 2025

★ CO-FOUNDER  
 66PIXELS DESIGN AGENCY  
 PRESENT

★ PRESIDENT  
 ENTREPRENEURSHIP CLUB  
 2024-2025

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- 04
- 05



*Work*

# EXPERIENCE & AWARDS

★ CHAIRPERSON  
 KHGS MUN  
 2025

★ BEST APP DESIGN  
 DESIGN CHAMPIONSHIP  
 2019



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# CAMUOFLORA

*New-age Air Purifiers*

Project

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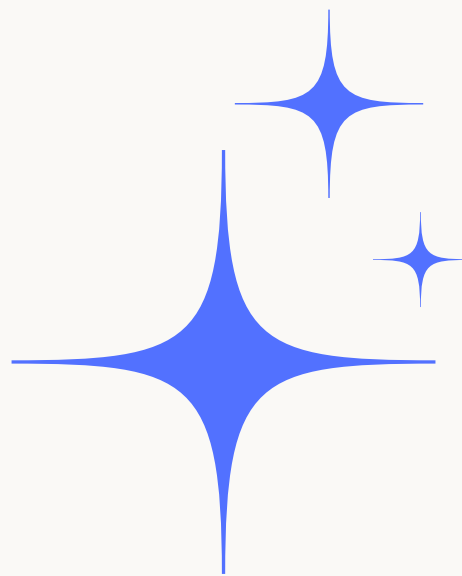
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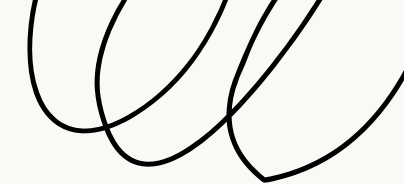
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## SKILLS USED

Industrial Design  
Product Development  
Design Thinking  
Feasibility Analysis



# PROBLEM & RESEARCH



## THE CHALLENGE

Traditional air purifiers are often aesthetically unappealing, disrupting the visual harmony of a living space. Users desire clean air, but don't want to sacrifice the beauty of their homes.

- Many current designs don't solve for placement.
- Users want to have purifiers in plain sight to be effective, but don't want to sacrifice the aesthetics of their space.



## RESEARCH & INSIGHTS

**Target Audience:** Style-conscious homeowners and apartment dwellers who value both health and aesthetics, particularly those interested in biophilic design.

**Market:** Growing demand for air purifiers and smart home devices.

**Competition:** Existing "designer" air purifiers don't fully embrace the "hidden in plain sight" concept.

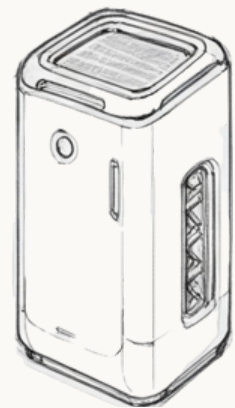
**User Needs:** The conceptual target audience values appliances that don't look like machines and seamlessly blend in.

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# CAMUOFLORA- THE CONCEPT

## THE IDEA

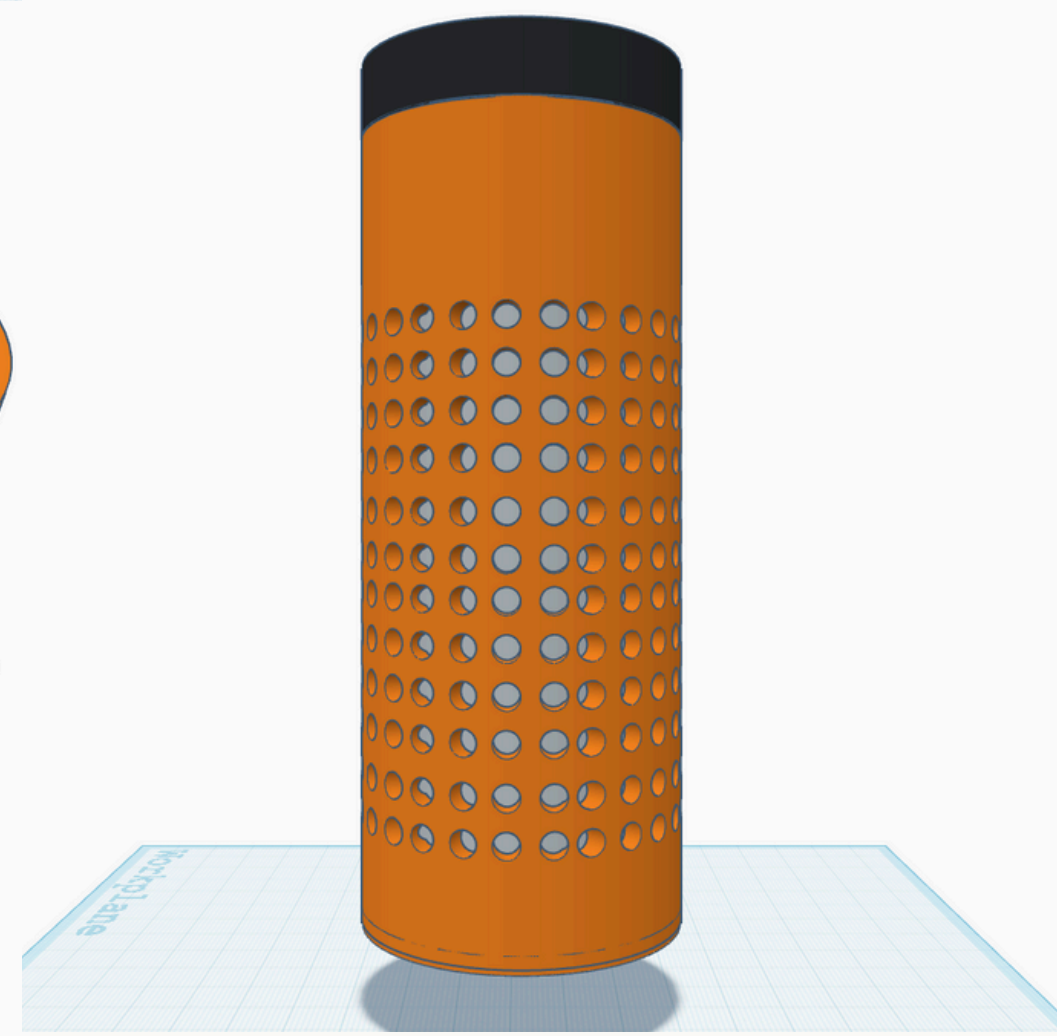
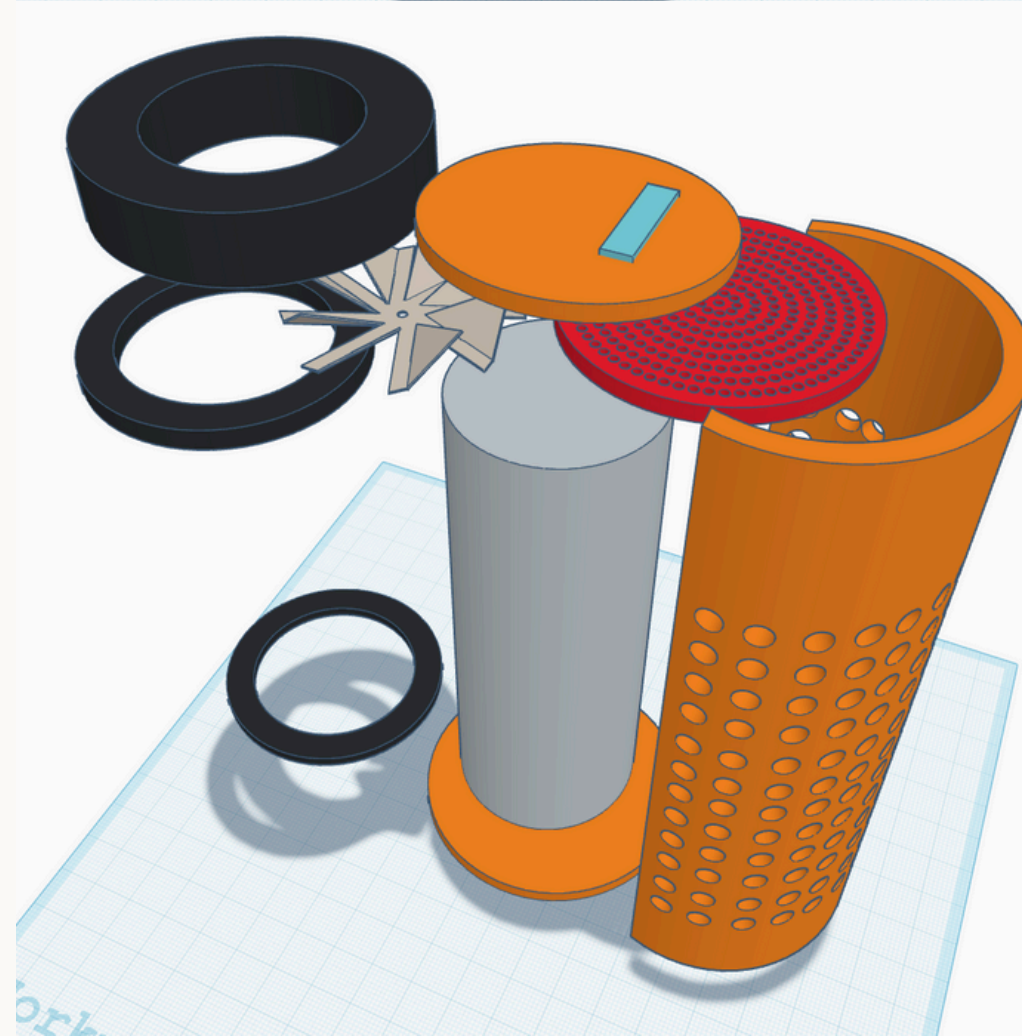
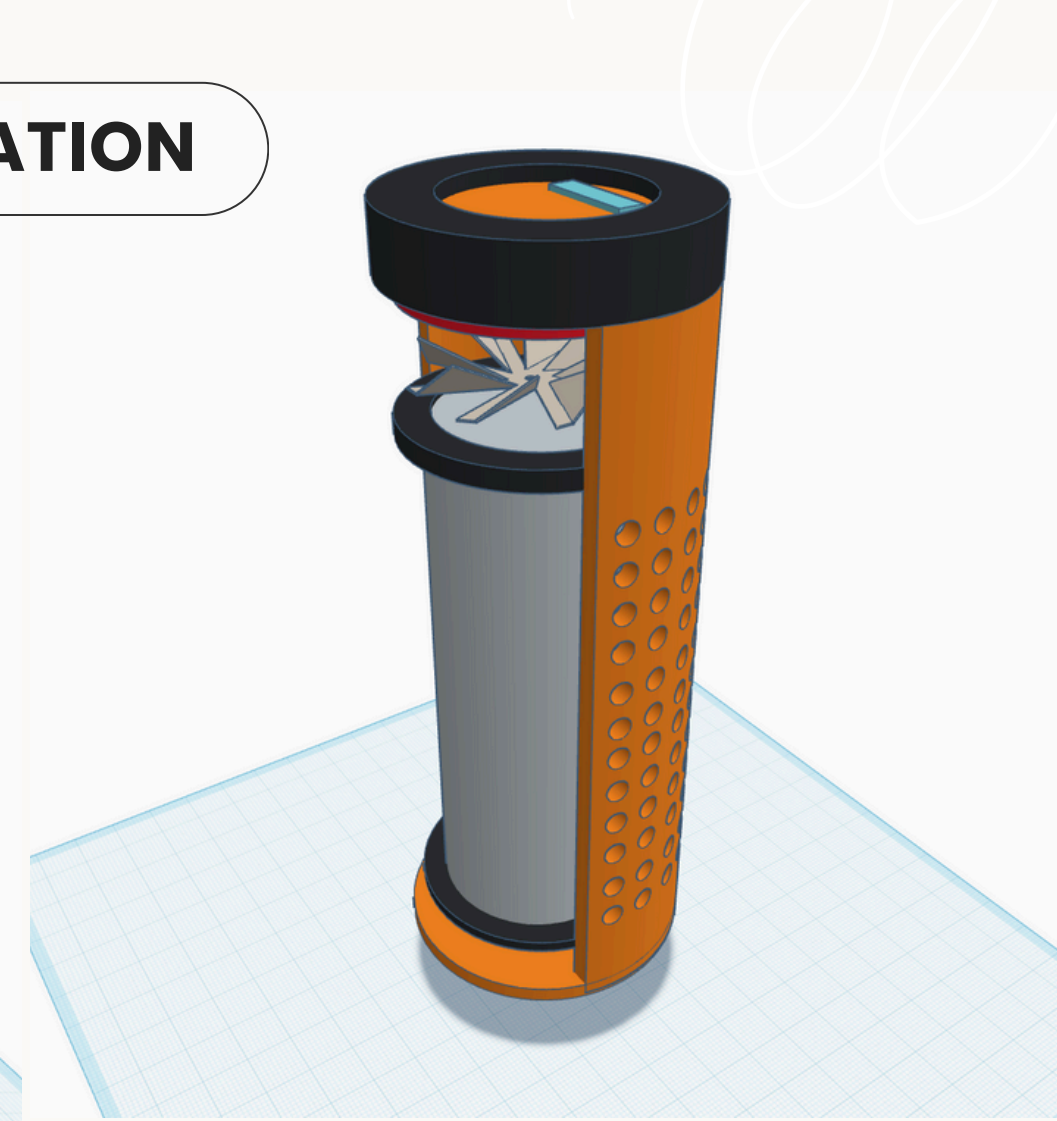
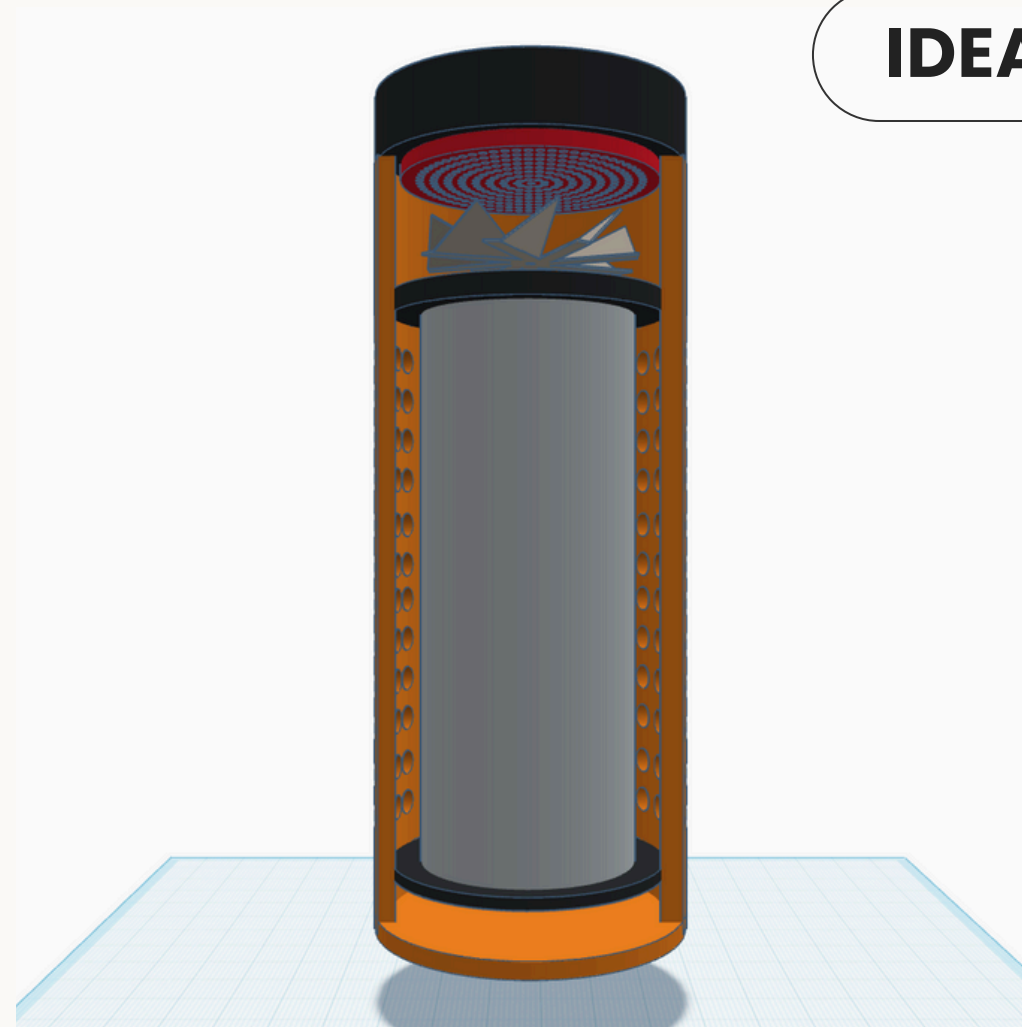


BLENDING IN, NATURALLY

## VISION

How can an air purifier become an invisible, yet integral, part of a home's aesthetic? The CamouFlora achieves this by completely concealing its function within the form of a common terracotta pot and a realistic-looking plant. Air is drawn in discreetly through the base and released around the plant, mimicking natural airflow.

## IDEATION



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# MATERIAL EXPLORATION & KEY DECISIONS

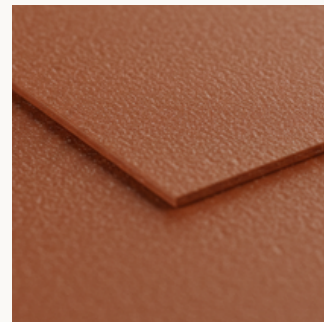


## MATERIAL EXPLORATION

**Housing:** Terracotta-colored ABS plastic (durable, lightweight, cost-effective, potential for recycled options).

**Filter:** Standard-sized HEPA filters with activated carbon (readily available, affordable, effective).

**Plant:** High-quality silk or other synthetic materials for realistic appearance and longevity.



## KEY DECISIONS

**HEPA Filter:** Chosen for common size availability and user cost-effectiveness.

**Terracotta Pot Design:** Directly addresses the core challenge of disguising the appliance.

**Form Factor:** Cylindrical to fit in most places and to be simple.

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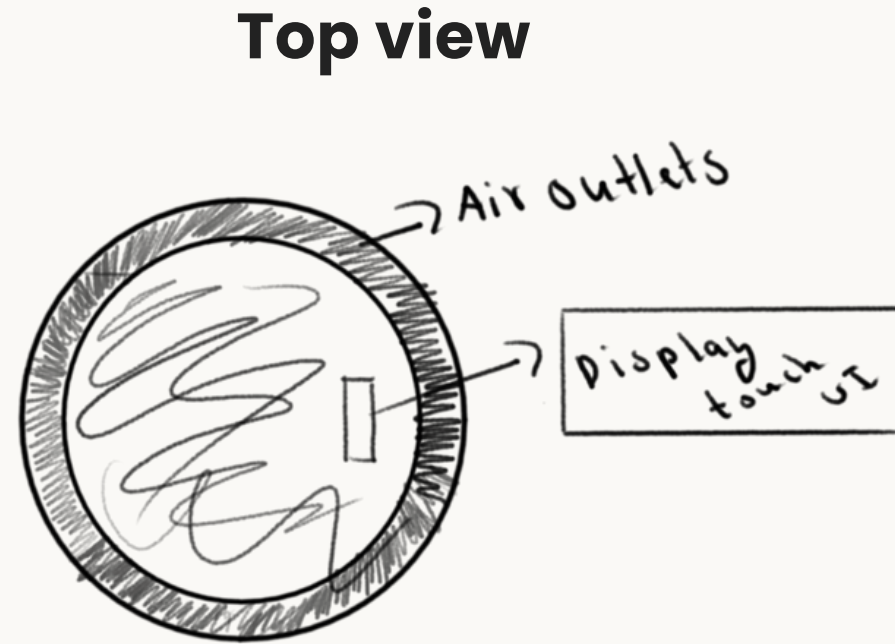
# PROTOTYPING & DEVELOPMENT

**Airflow:** Optimizing vent size and placement

**Noise:** Selecting a low-noise fan, exploring sound-dampening materials.

**Filter Replacement:** Designing a simple, tool-free access mechanism.

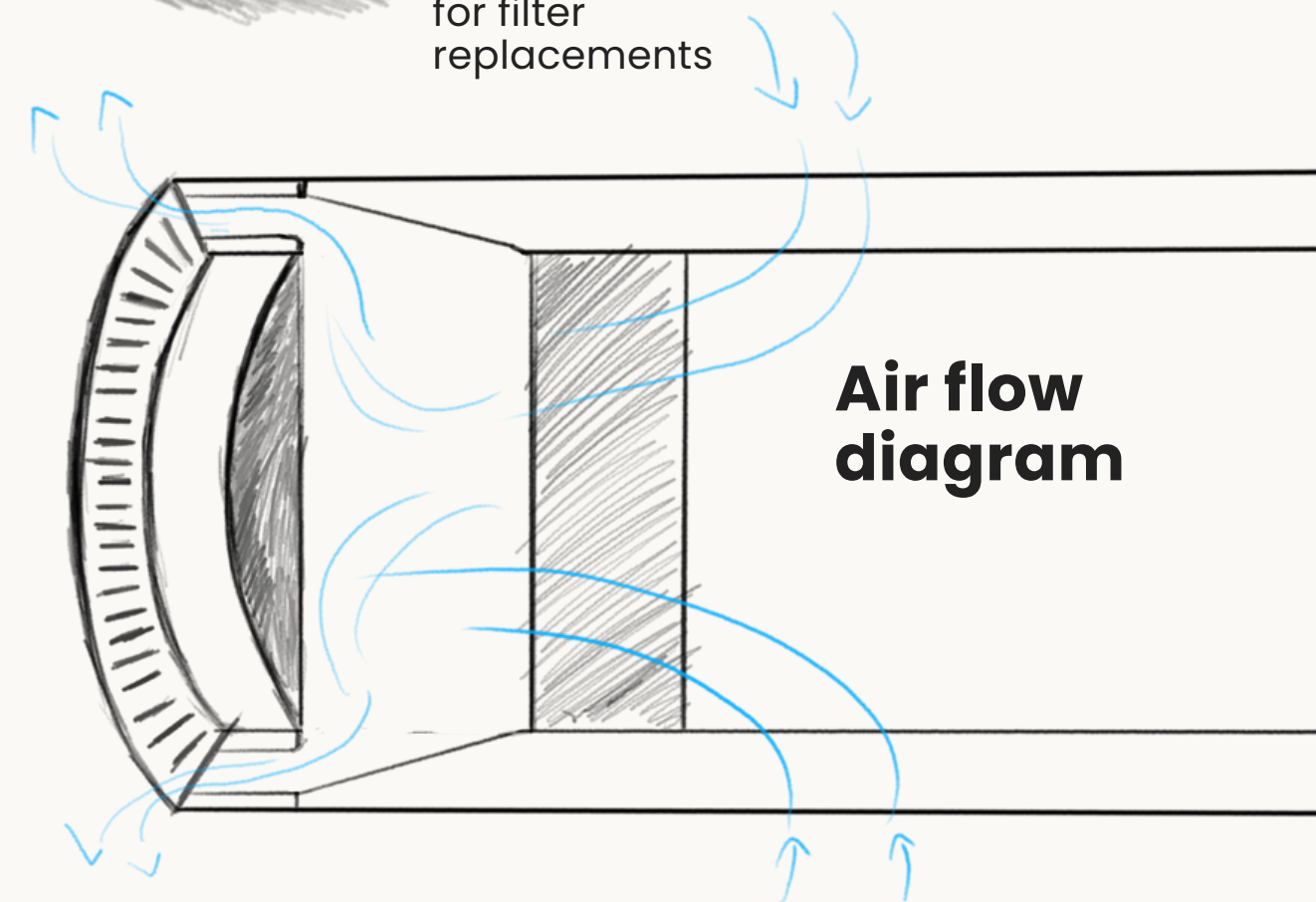
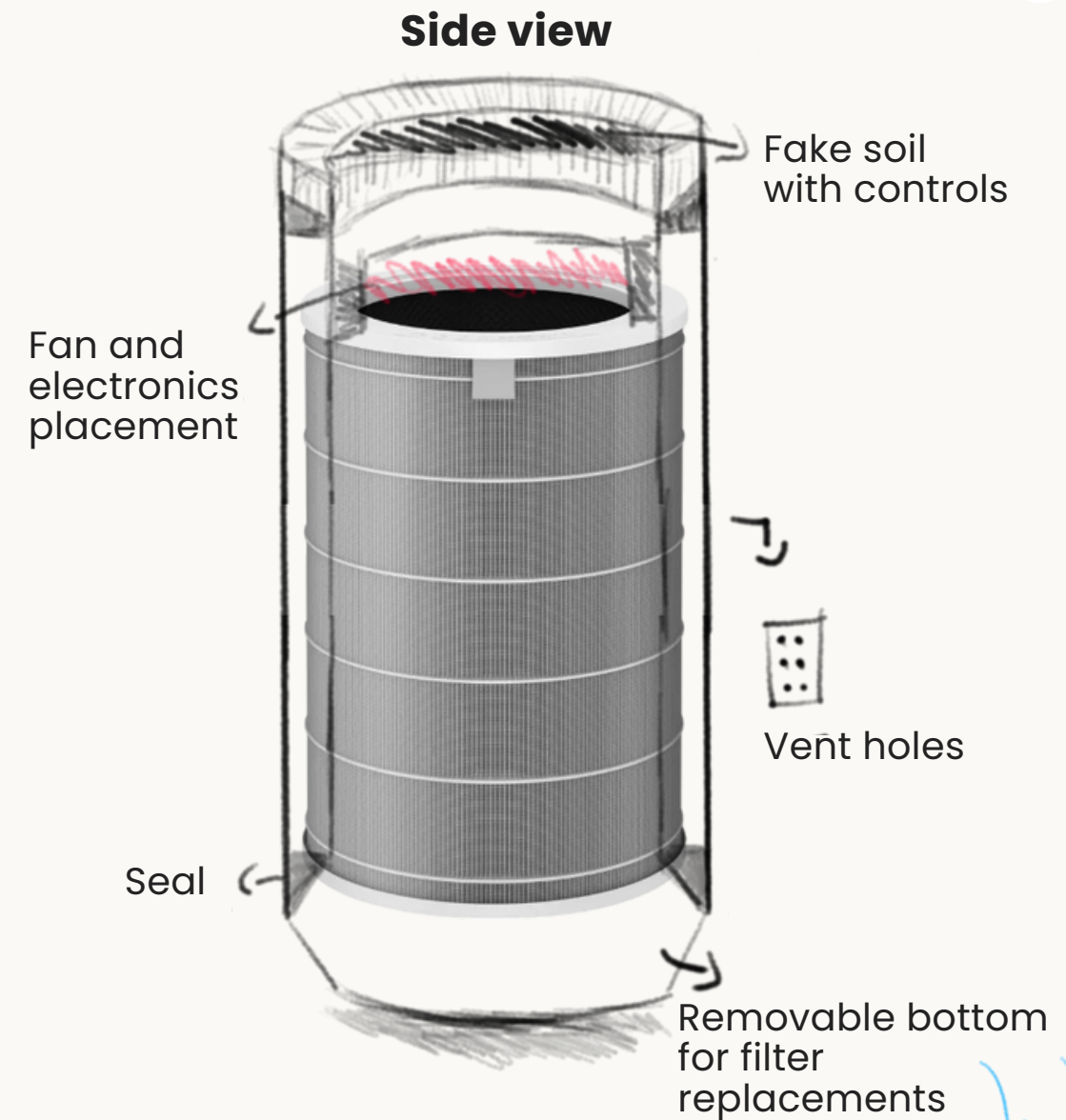
**UI:** Simplified UI for black/white screen further saving costs and adhering to the overall theme



### Display



Error messages and mode selected



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# FINAL DESIGN

## COMPETITIVE ADVANTAGES

- Disguised Design
- Aesthetics and Functionality
- Saved costs
- Smart Home Potential

## FUTURE ROADMAP

- Bringing this into production
- Expanded Product Variety (Plants/Pots) with potential live plants
- Partnerships
- Advanced Sensors
- Sustainability
- Subscription Service



## KEY FEATURES

**Disguised Design:** Blends seamlessly as a stylish planter.

**Effective Filtration:** HEPA filter with activated carbon.

**Quiet Operation:** Designed for low-noise performance.

**Easy Maintenance:** Tool-free filter replacement.

**Color:** Terracotta.

render

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# KENNEDY KLASH

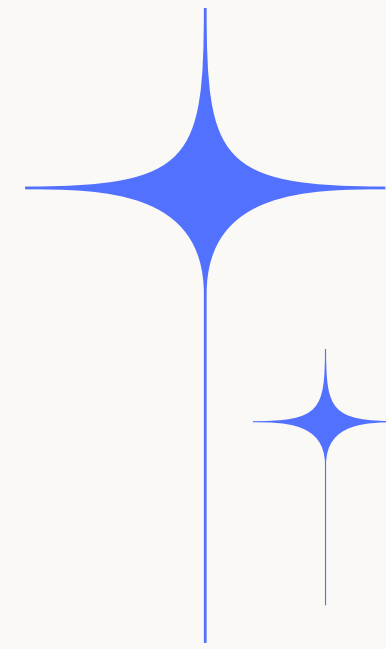
*Social App*

## SKILLS USED

UI/UX Design  
User Research  
Project Management  
Stakeholder Communication

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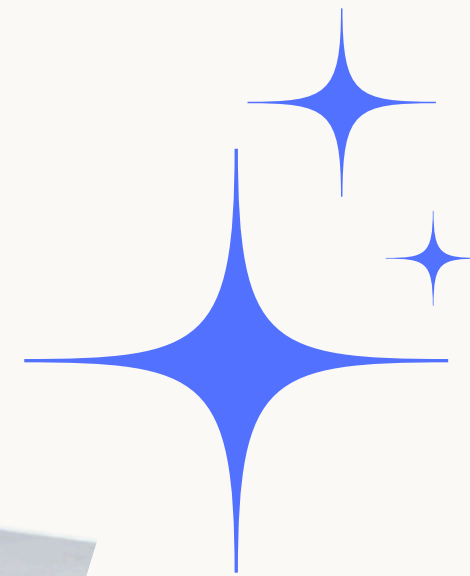






# SCRUTATOR

*More time to teaching*



## SKILLS USED

User-Centered Design  
Data Analysis  
Problem Solving  
Process Improvement

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# HEY YOU

*Ai assistant*



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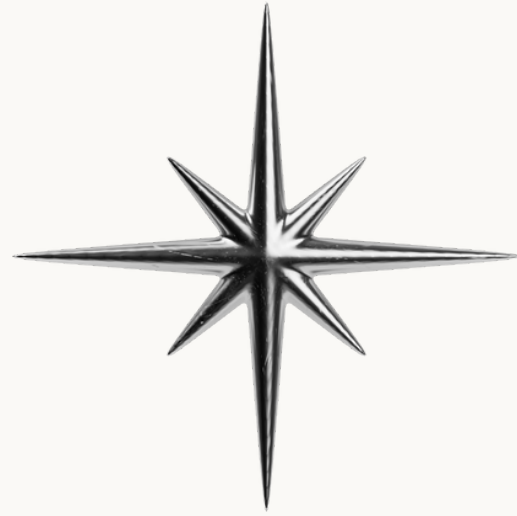
**04**

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## SKILLS USED

Product Strategy  
Market Research  
Competitive Analysis  
Business Planning





*Let's Work*  
**TOGETHER**

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