Data Scientist, Designer

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Shobhit Malarya

Data Science

I am a data scientist with a solid background in computer science and a desire to turn knotty data into operational insights. My areas of expertise include data analysis, machine learning, and statistical modeling, having developed data-driven solutions to streamline operations and inform business decisions.

Industrial Design

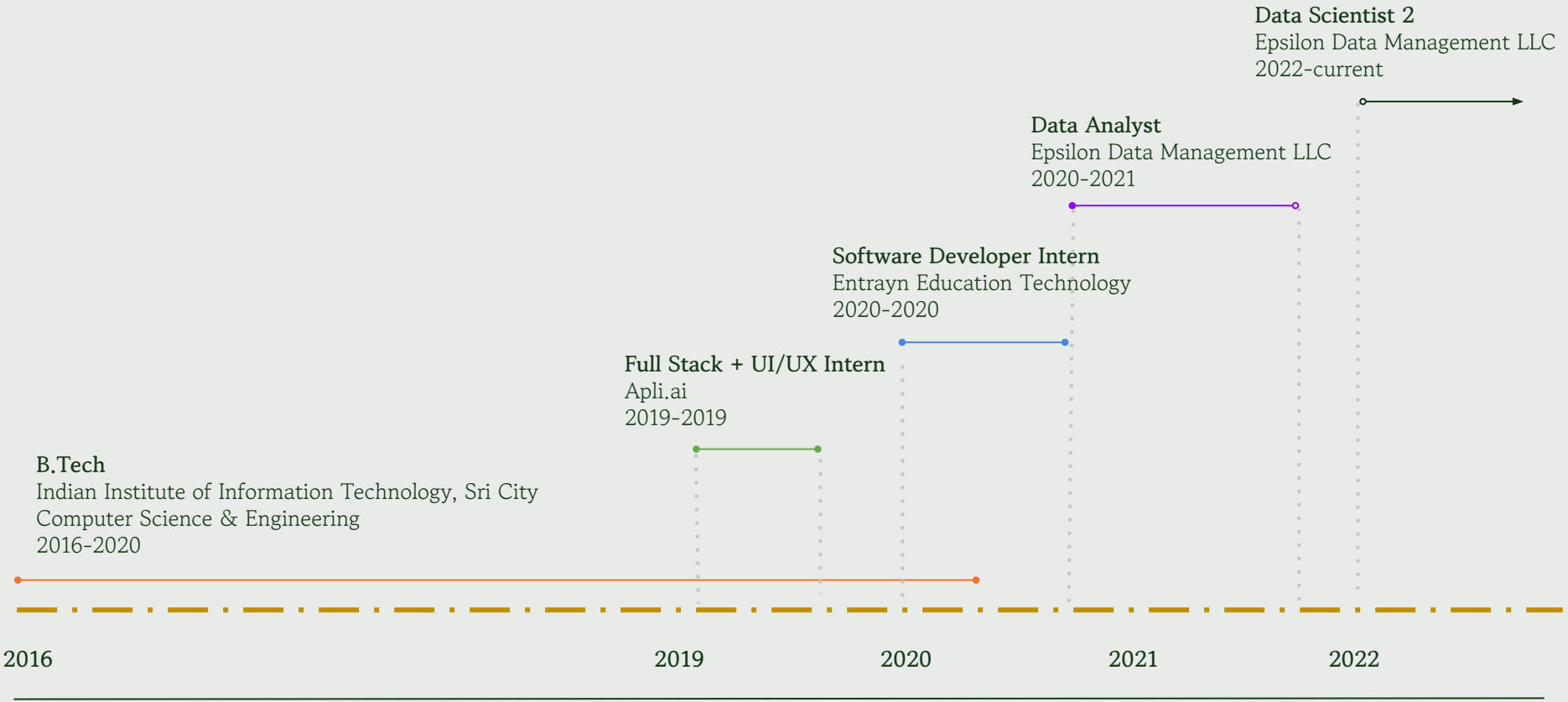
A designer driven by a lifelong passion for creating thoughtful, human-centered products. My work blends functionality with aesthetics, focusing on intuitive design and meaningful user experiences.

...and Beyond

I am a creative and inquisitive person who enjoys discovering new things. Whether it is getting lost in computer games, creating web pages, trying new foods, studying foreign languages, or freezing moments in time with photography.

INDEX

Education & Experience



Research

Duration - 4 Months

Type - Computer Vision

Year - 2019

As a part of IIIT Sri City's academics program, We submitted a research paper on "2D to 3D Human Pose Reconstruction in the Wild" which involves construction of 3D human model from 2D images.

Full paper here.

Data Scientist 2
Epsilon Data Management, LLC

As a Data Scientist, I collaborate with pharmaceutical clients to maximize doctor targeting strategies, ultimately leading to improved engagement and revenue growth. My work includes examining large data sets to find significant insights that improve decision-making and marketing efficacy.

I use **SQL**, **Snowflake**, **Python**, and **Excel** to analyze data, maintaining accuracy and efficiency in the handling of large volumes of healthcare data. To convert intricate findings into actionable insights, I use **Tableau** and **ThoughtSpot(Gen AI)**, building easy-to-use visualizations that effectively tell a compelling story in data.

By combining technical expertise with business understanding, I help clients refine their outreach, improve targeting precision, and maximize the impact of their strategies.

Industrial Designing

I create clean, intuitive pieces that focus on functionality and ease of use. My designs find balance between simplicity and creativity, transforming everyday items into both functional and aesthetically pleasing pieces.

Industrial Design Projects

01

Nebulamp

A Table Lamp inspired by Dobsonian telescope and their ease of use.

02

FocusDock

A smart pomodoro timer which doubles as a pen stand and a mood light.

03

Lume

A minimalistic smart watch, which keeps information distraction free

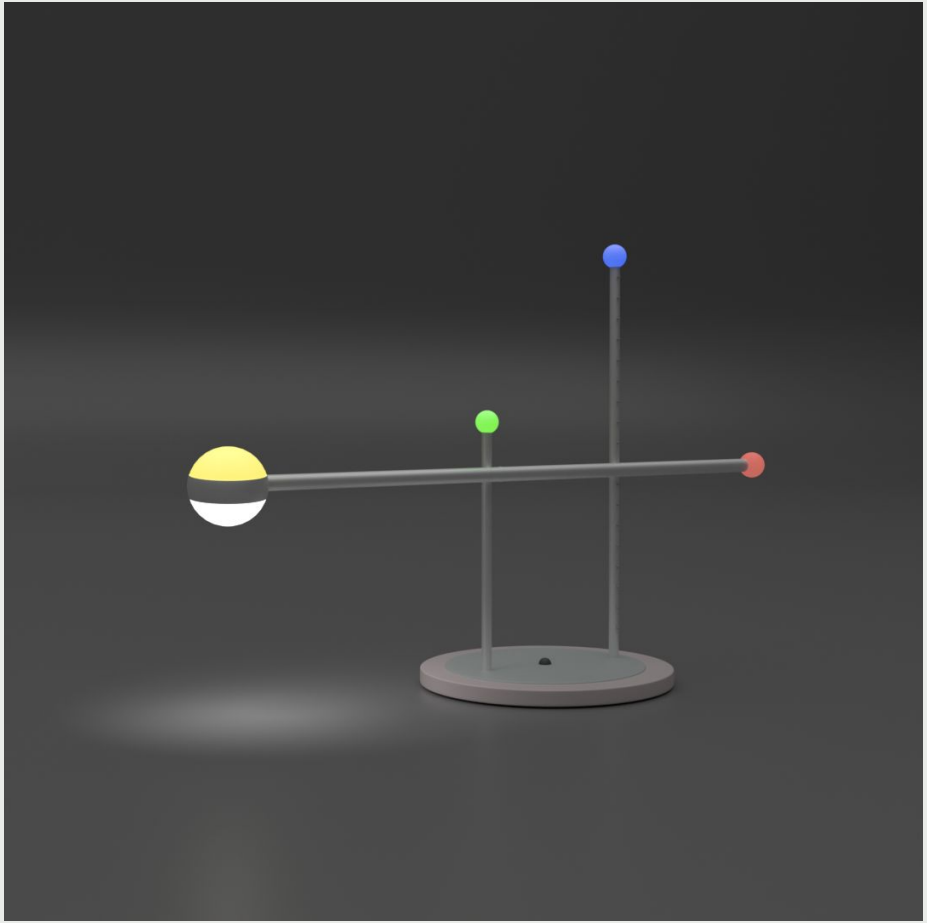
Nebulamp

Duration - 2 weeks

Type - Product Design

Year - 2025

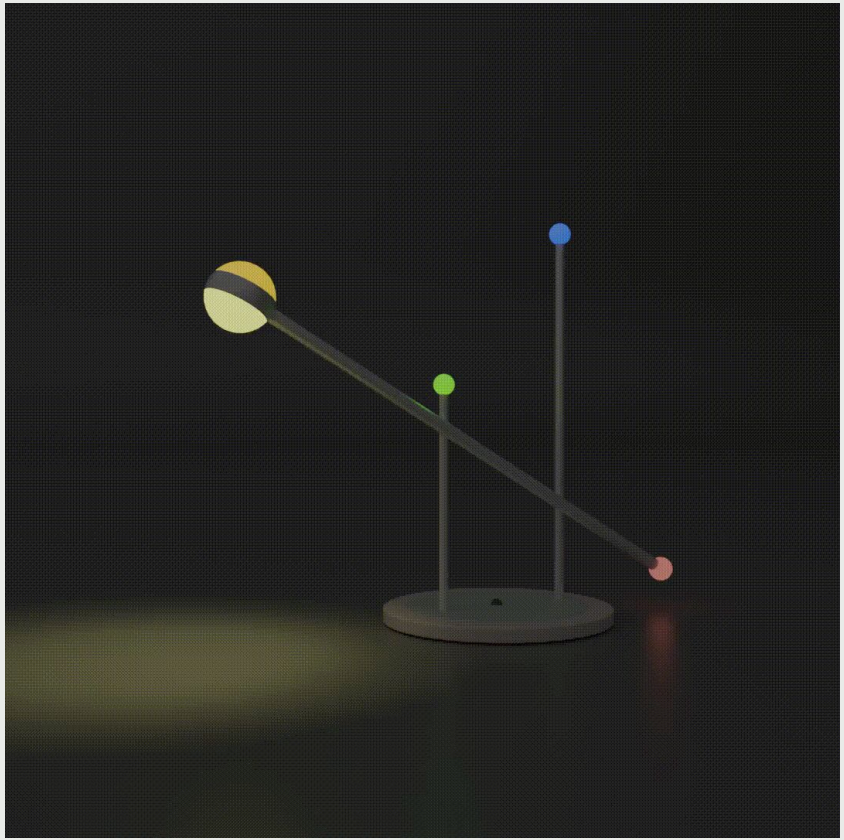
The concept for the Nebulamp comes from the Dobsonian telescopes. The rotating base, adjustable height and swivel head makes it easy to point the lamp in any direction and at any angel.

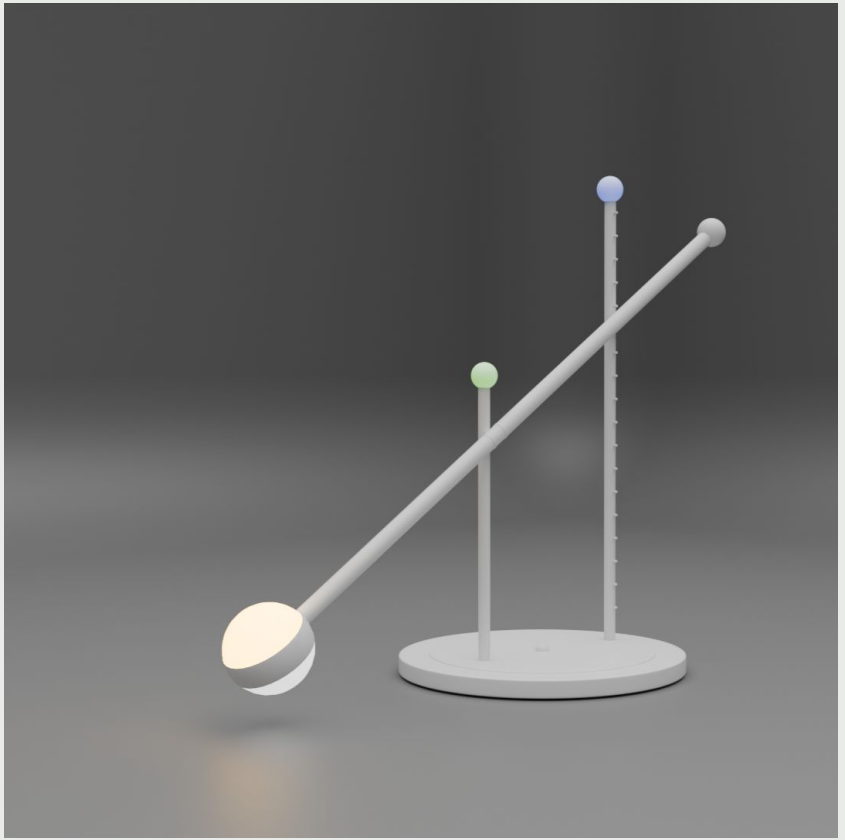


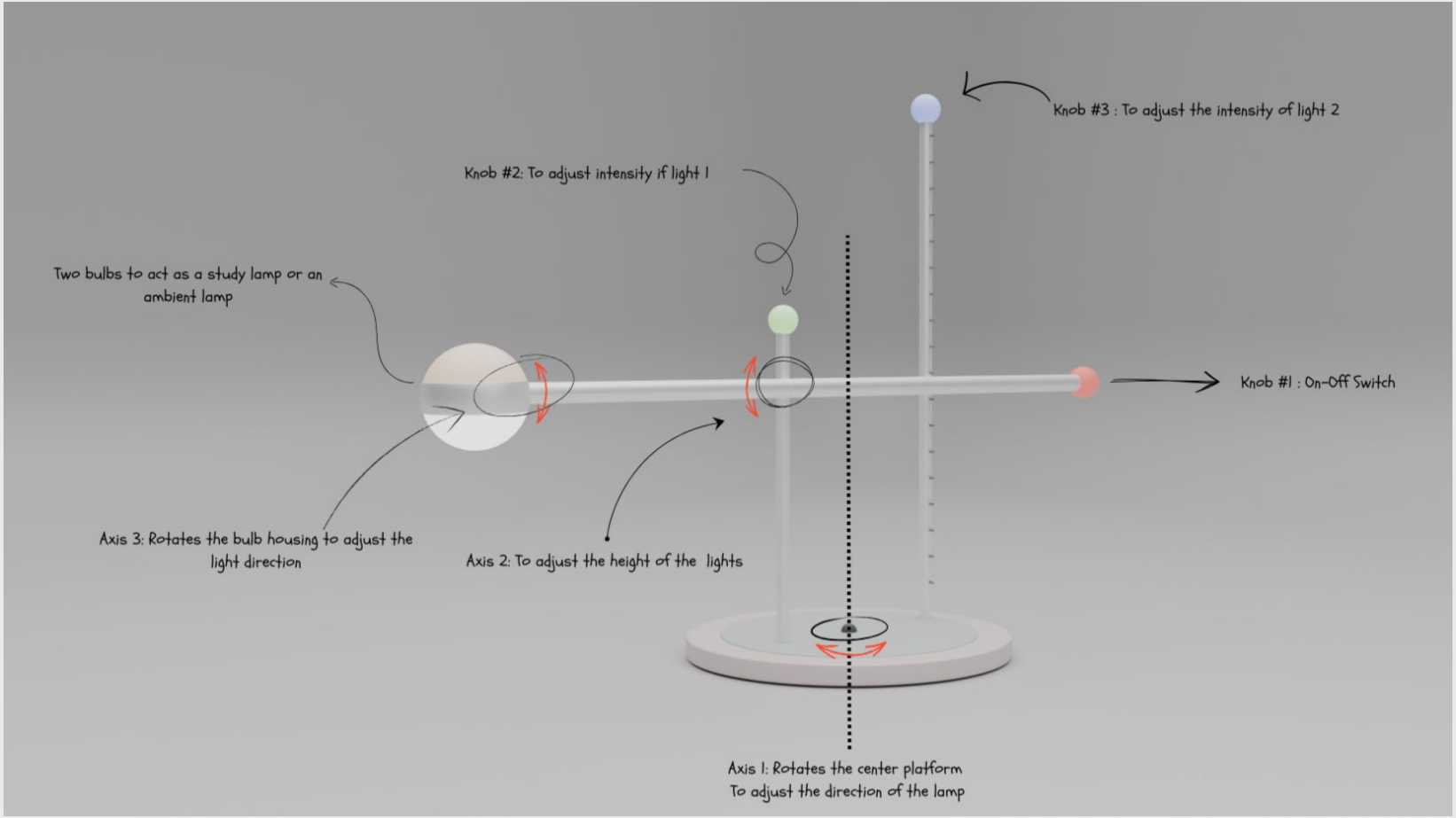
Problem | Solution

Traditional desk lamps often lack flexibility, making it difficult to adjust lighting direction efficiently. Users frequently need to reposition the entire lamp—along with its cable—just to illuminate a different area. This disrupts workflow and creates unnecessary friction in daily tasks, whether switching focus between workspaces or sharing light with others.

A lighting solution that offers seamless adjustability without requiring physical repositioning. A lamp with a rotating base, a adjustable arm, a swivel head could enhance user convenience.







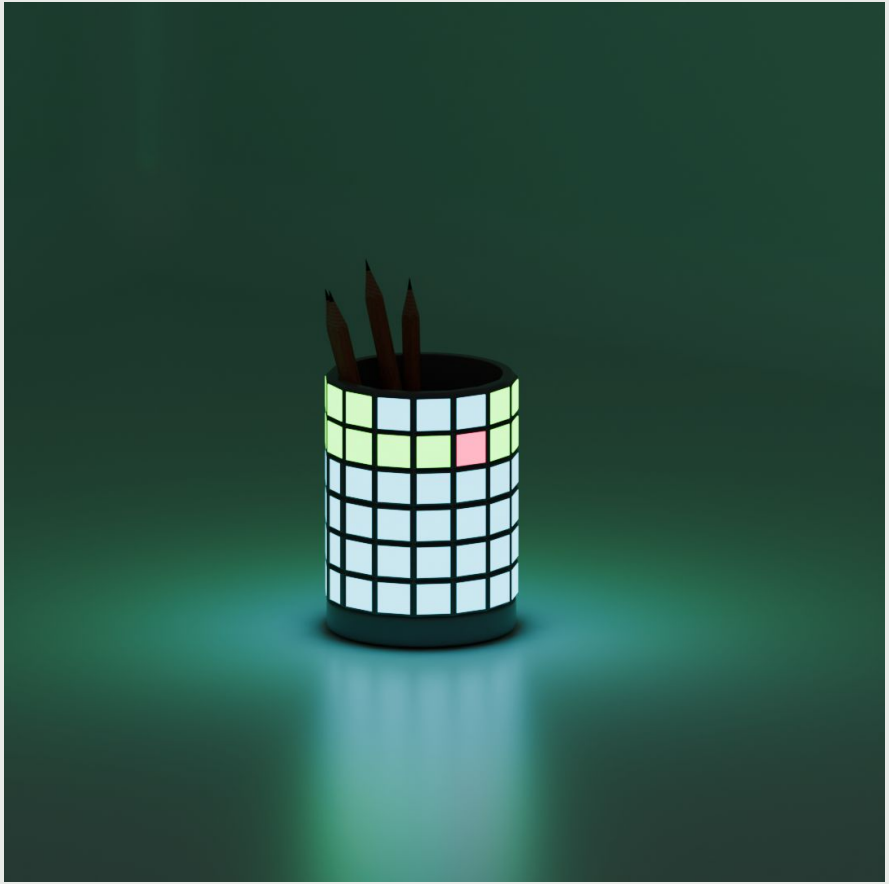
FocusDock

Duration - 1 month

Type - Product Design, UX

Year - 2025

A sleek, touch-sensitive Pomodoro timer integrated into a pen stand for seamless productivity. Designed with subtle LED indicators and haptic feedback, it eliminates distractions while keeping essential tools within reach. A perfect blend of functionality and minimalist design.



Problem

Issues with Pomodoro devices

- **Distracting Alerts** – Loud alarms or flashing lights can be disruptive; users prefer subtle notifications.
- **Lack of Customization** – Fixed time intervals don't suit everyone; flexible settings are needed.
- **No Visual Progress** – Many devices don't show remaining time effectively.
- **Inconvenient Controls** – Buttons may be hard to press; touch or voice controls could improve usability.
- **No Data Tracking** – Users can't analyze productivity trends or focus patterns.
- **Screen Distraction** – Digital timers on phones/computers can lead to distractions.
- **Poor Aesthetics** – Many designs don't blend well with workspaces.

Solution

- **Subtle Alerts** – Vibration motor, LED panels for quiet notifications.
- **Customizable Timer** – Touch controls, proximity sensor for adaptive settings.
- **Visual Progress** – LED light panels, ambient light sensor for readability.
- **Easy Controls** – Touch, gesture, or voice activation for convenience.
- **Productivity Tracking** – Proximity sensor, Bluetooth for session insights. (next slide)
- **Minimal Screen Distraction** – Haptic feedback, low-power display for focus-friendly alerts.
- **Aesthetic Integration** – Adaptive brightness, minimalist design for workspace harmony. Seconds as a pen/pencil Holder.

Productivity Tracking

1. Tracking Active Work Sessions

- Start & End Time of Each Pomodoro Session – Helps identify when the user prefers to work.
- Session Duration & Completion Rate – Measures how often the user successfully completes a session versus abandoning it.
- Break Length & Frequency – Short, frequent breaks may indicate lower focus levels.

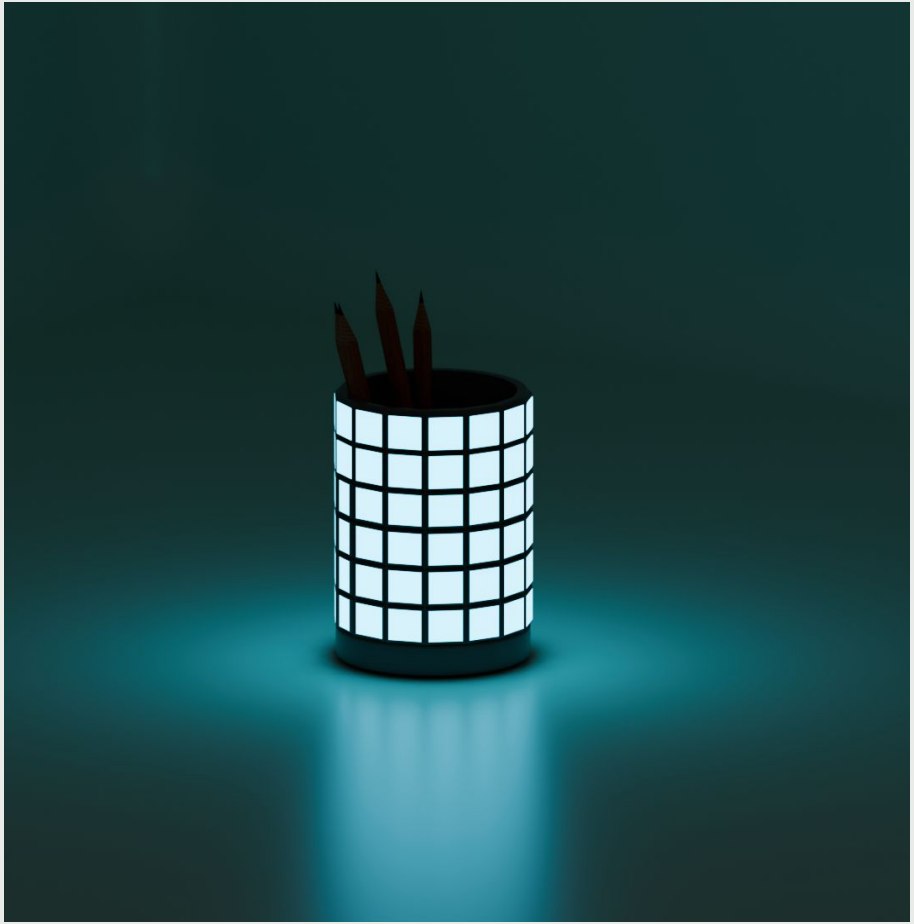
2. Analyzing Session Effectiveness

- Proximity Sensor – Identifies if the user leaves their workspace often during a session.
- Touch/Gesture Interaction – Tracks if the user frequently pauses or resets the timer.

3. Identifying Productivity Patterns

The device processes historical data to find trends:

- Time-of-Day Analysis – Compares focus levels at different hours (morning, afternoon, evening).
- Day-of-Week Patterns – Identifies whether the user is more productive on specific days.
- Comparison Over Time – Highlights improvements or declines in focus efficiency.



Lume

Duration - 2 weeks

Type - Product Design

Year - 2025

A modern smart wall clock that blends technology with aesthetics. Instead of a distracting LCD screen, it features a sleek dot matrix display that delivers essential information in a subtle, stylish way. Designed for those who appreciate both functionality and minimalist design.

Problem | Solution

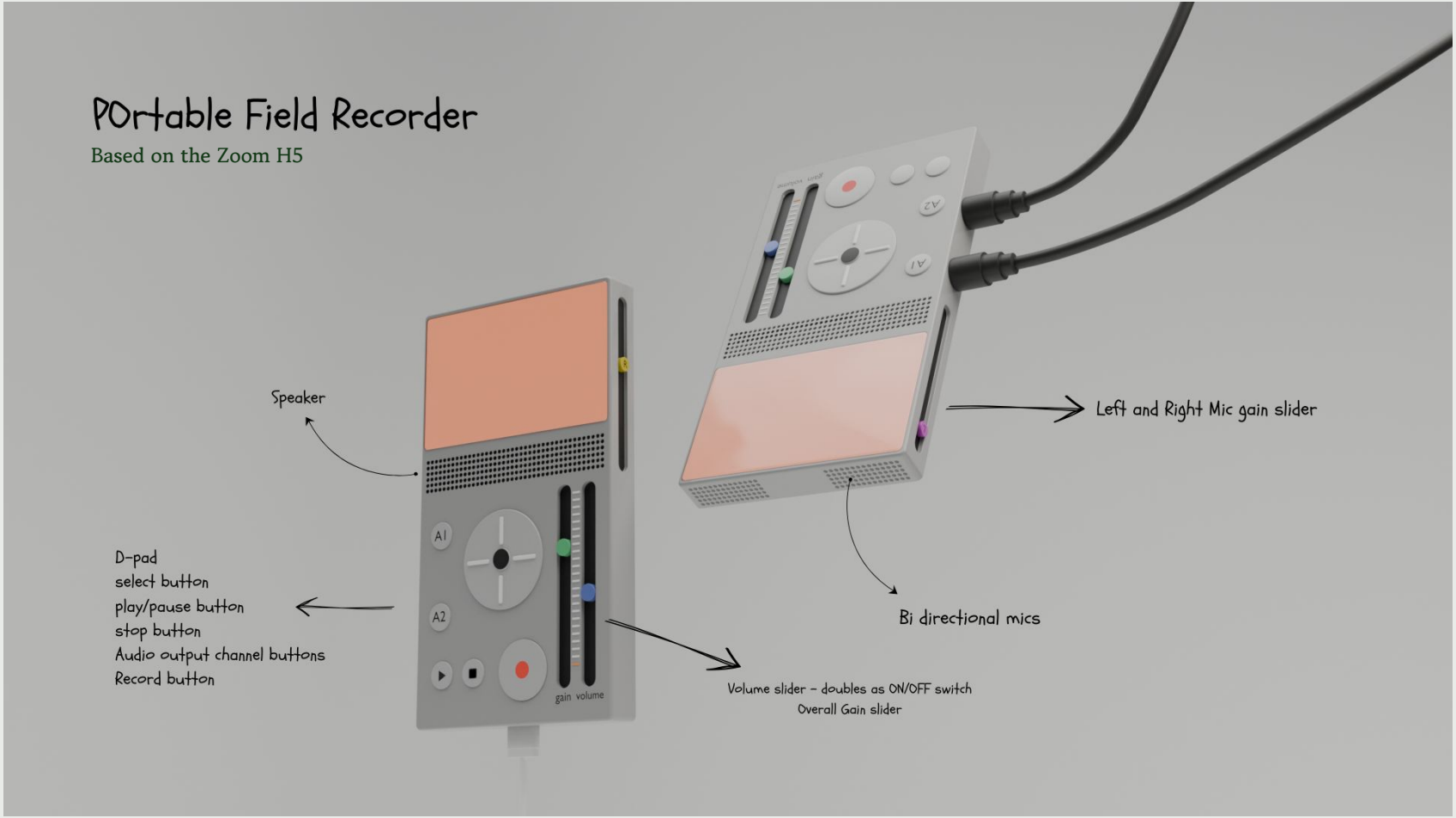
Many smart wall clocks rely on LCD screens to display information, but these screens can be visually distracting and clash with interior aesthetics. While smart features are valuable, users often prefer a design that integrates seamlessly into their space without the constant glow of a traditional screen.

To maintain both functionality and aesthetics, a dot matrix display replaces the LCD screen. This approach provides a clean, minimalistic look while still delivering essential smart features in a subtle and visually appealing manner. The result is a smart wall clock that enhances the space without being a distraction.

Additional Projects

POrtable Field Recorder

Based on the Zoom H5



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Thank You!