TECH BLUEPRINT

Your Guide to Create Electronic Wonders



Falcon Hackathon 2024

Out lines

1 Team

3 Solution

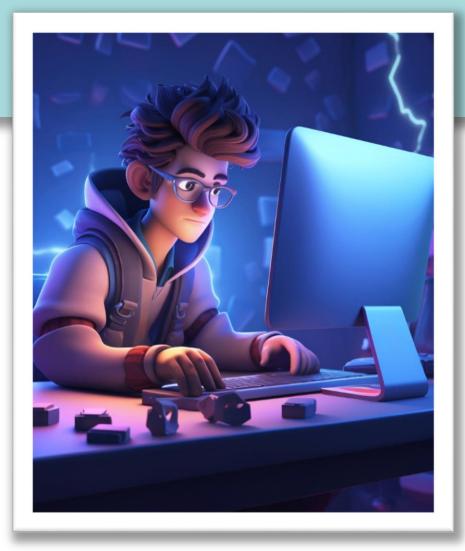
5 Revenue Stream

6 Demo

2 Problem Statement

4 Market Size

6 Future Work



Team Members Overview



Ahmed Mansy

Full-stack Developer



Imran

AI-Engineer



David Hojin

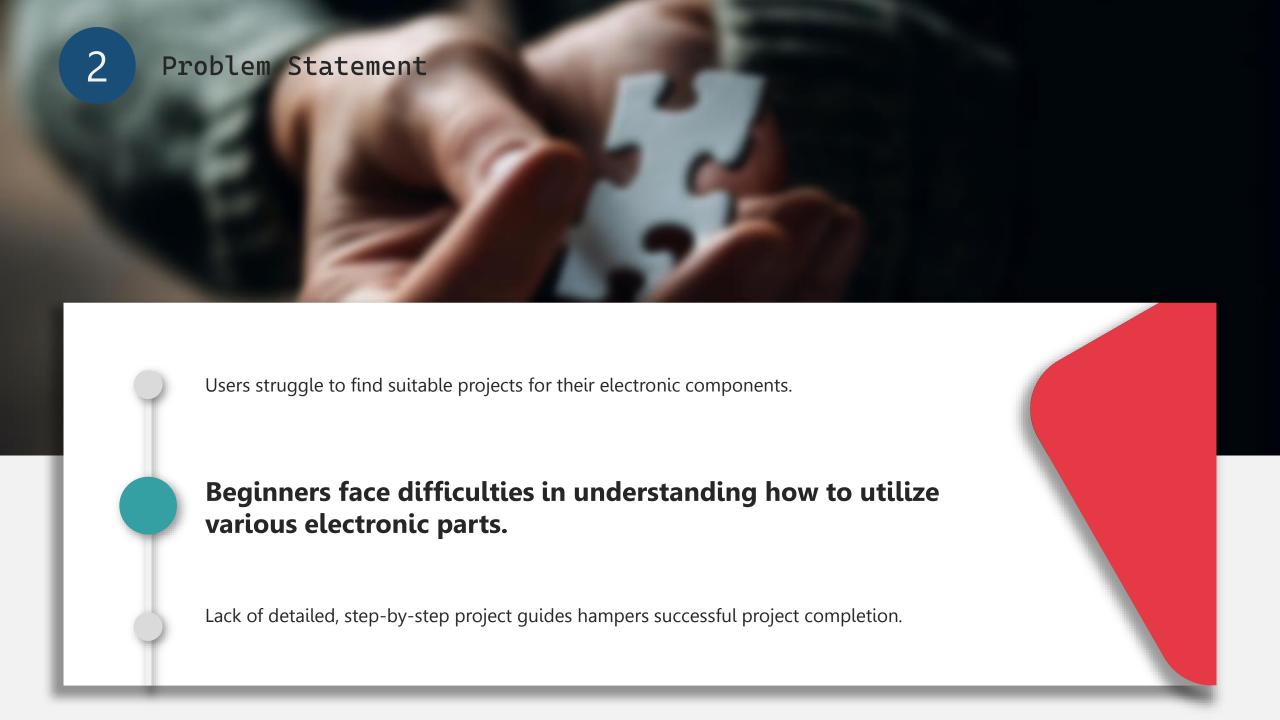
Business Management And CEO

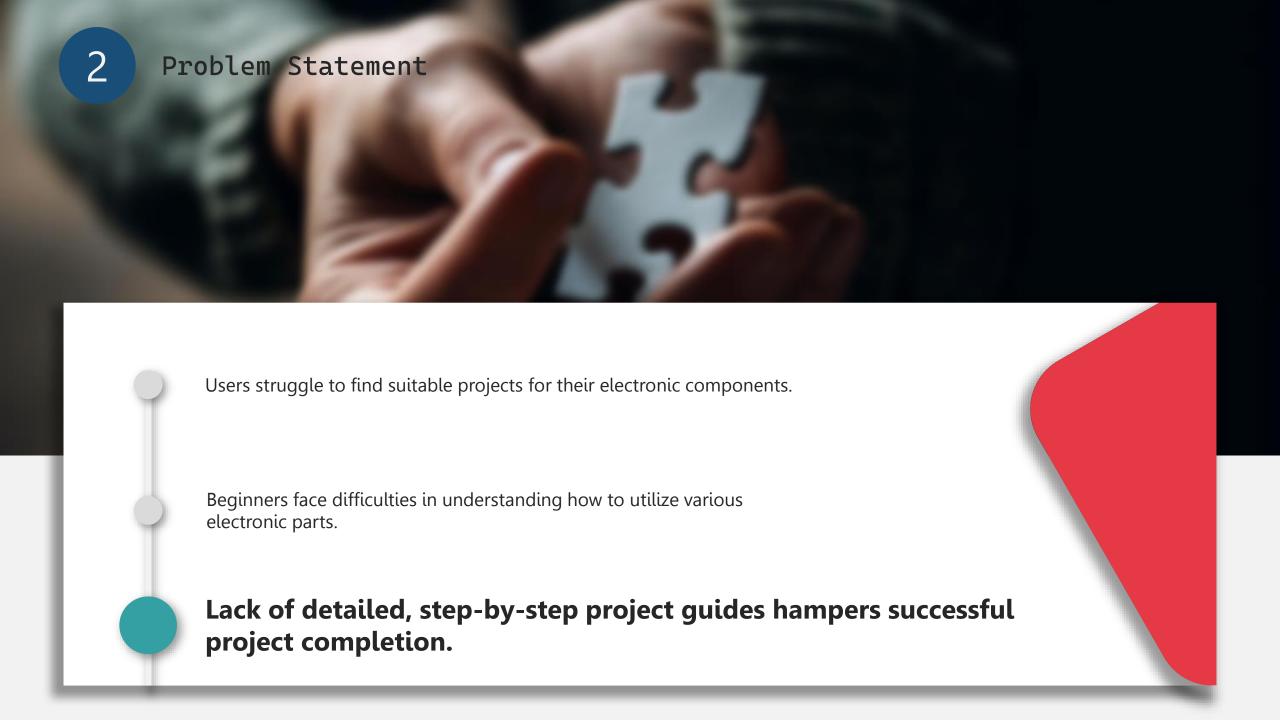


Mohamed Magdy

DevOps Engineer







Primary Solutions

Automatically identify electronic parts from images to simplify the parts recognition process.

Suggest relevant projects tailored to the identified electronic components, saving time and effort.

Offer detailed, step-by-step tutorials to ensure successful project completion for users of all skill levels.

Market Opportunities and Competitive Advantage



Growing Gig Economy:

The DIY electronics market is rapidly growing, driven by the maker culture and STEM education. Projected to reach \$5.9 billion by 2025, this market includes hobbyists, educators, and students. TechBlueprint taps into this expanding market, offering accessible and comprehensive tools for all skill levels.

Market Opportunities and Competitive Advantage



Growing Interest in Educational Tools

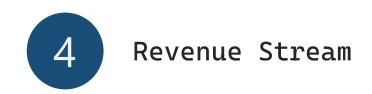
With a focus on hands-on learning, demand for educational electronics tools is rising. Schools are incorporating more DIY projects into curricula, enhancing engagement and practical skills. TechBlueprint meets this need with structured, easy-to-follow tutorials and project suggestions, making it a valuable resource for educators.

Market Opportunities and Competitive Advantage



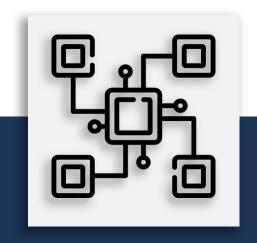
Increasing Popularity of Maker Spaces

Maker spaces and community workshops are growing, offering collaborative environments for exploring electronics and technology. These spaces need resources and project guidance. TechBlueprint supports them by providing a repository of project ideas and detailed guides, fostering innovation and learning in these communities.



Subscription-Based Model

Partnership and Advertising Opportunities





Offer basic features for free with premium features at a cost.



Subscription Plans

Provide monthly or yearly subscriptions for premium content.



In-App Purchases

Allow users to buy additional project kits and advanced modules.



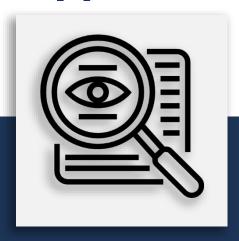
Subscription-Based Model

Partnership and Advertising Opportunities





Collaborate with manufacturers and educational institutions for sponsorships.



Advertising

Include relevant, non-intrusive advertising within the app.



Workshops and Training Programs

Host paid online and offline workshops and training programs.

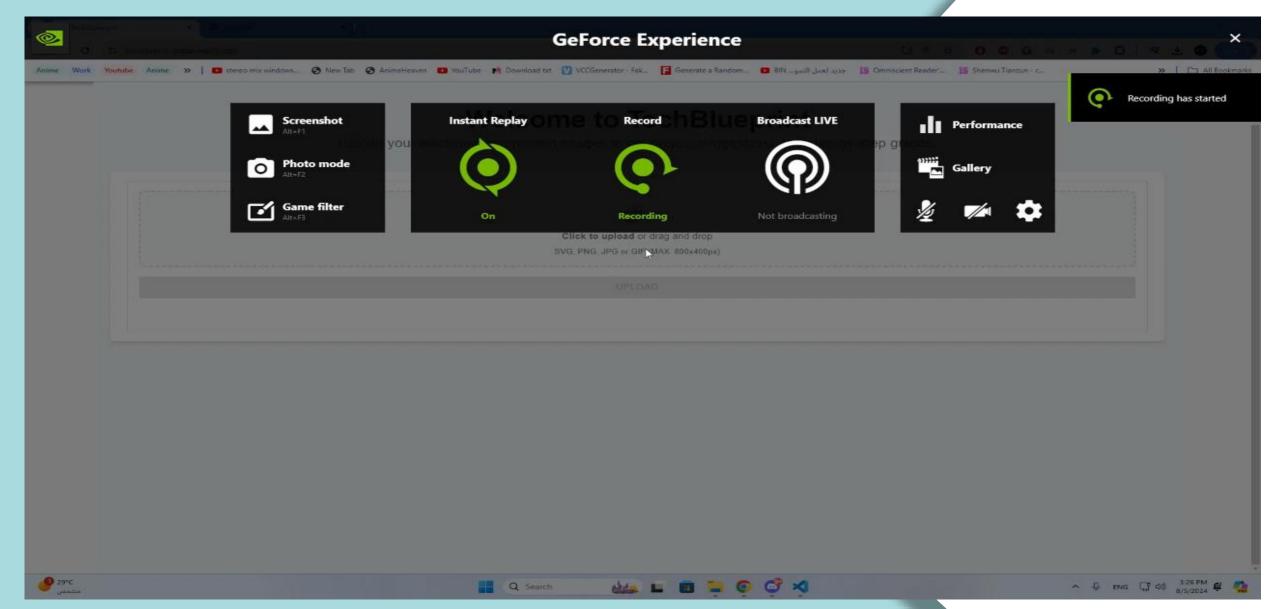
TechBlueprint simplifies DIY electronics by using advanced image recognition and AI-driven project suggestions. It supports users of all skill levels, fostering a community of creativity and learning.

Future Directions

Interactive Project Guidance - Make the project creation process easier and more interactive by enabling image sharing between users and the bot, allowing users to ask for directions and receive real-time guidance.

Enhanced Customization - Introduce features that allow users to customize project tutorials to better fit their specific needs and skill levels, ensuring a more personalized and effective learning experience.

Demo



THANK YOU