

AmpuFitness



Fitness Through Tough Times





Problem

- 552.45 million amputees as of 2019 with
 13.23 million new amputees annually
- Mortality after amputation goes up as high as 40% in the first year, 65% in three years, 80% in five years.
- Over 30% face depression, psychological morbidity, decreased self esteem, distorted body image, and significant levels of isolation





Fitness is a solution

- Life expectancy increases about 6.9 years if physically active
- Exercise thrice a week reduces 25% all depressive episodes
- Increases oxygen levels in your body
- Reduce risk of heart diseases
- Manage blood sugar and insulin levels
- Weight loss
- Help sleep



How do you exercise with a unique disability?

AmpuFitness

The first Al assistant designed for amputee fitness



How it works:

- Asks you 14 questions to find out disability
- Trains AI RAG model based on answers
- Gives recommendations for specific physical disability exercises
- Can speak to the AI for more recommendations such as diet
- Complete Privacy

Front End: Next.Js

Back End: Flask

Model Provider: OpenAI GPT 4

LLM-RAG Orchestrator: LlamaIndex

Operational database: MongoDB Atlas





Disabilities	
What type of physical disability do you have? Check everything you have from the list below.	
Lower Leg Disability	
Upper Leg Disability Upper Leg Disability	
Toe Disability	
Arm Disability	
Finger Disability	
☐ In a Wheelchair ☐ On Crutches	
Spinal Rotation Disability	
Other	
Is your disability long term?	
Yes	
○ No	
Does your disability says as a with mation of other limber	
Does your disability cause pain with motion of other limbs?	
YesNo	
Limbs	
Which limbs are you able to move with minimal / no pain?	
Are you overweight?	
○ Yes	
○ No	
Do you want to lose weight?	
Yes	
○ No	
Would you say you are over eating?	
Yes	
○ No	
Are you on a strict/medically prescribed diet?	
○ Yes	
○ No	
Eating restrictions?	
○ Vegetarian	
Omnivore	
○ Gluten Free	
○ Vegan	
○ Low FODMAP	
○ Ketogenic	



Ampu Fitness

For a comprehensive workout, focus on strength, cardiovascular fitness, balance, and fierbills). Start with a 5-10 minute warm-up, including light cardio and dynamic stretches. For strength, incorporate squats, cheet prosess, single-leg deadlifs, seated rows, and plank variations (2-3 ests of 10-12 reps each). For cardio, choose low-limpact activities like swimming, cycling, or walking (20-30 minutes). Balance and stability training can include single-leg stands, balance board exercises, and tall chi or yoga poses (10-15 minutes). Cool down with 5-10 minutes of light activities and stretching. Adjust exercises to your comfort and consult a healthcare provider. Aim for 2-3 sessions weekly, staying hydrated and refueling post-workout. Track progress and prioritize consistency.

ter what are you looking for



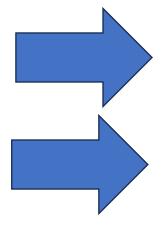
Business Model

Start with B2C Subscription model: \$20/month

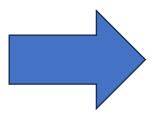
Projected Startup Cost: \$60,000

Marketing, Server costs, labor costs, first year utility costs, API fees

Projected Cost Per User: \$5/user



Scale to B2B model as Al implementation agency working with Insurance companies and VHA



Scaled cost per user: \$30/user

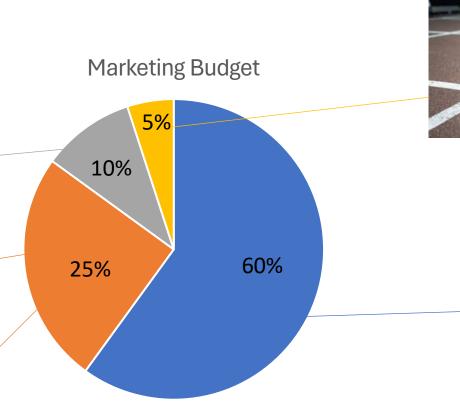


Marketing

Primary demographic: US citizens with little access to professional advice







■ Offline ■ Influencer ■ Social Media







Scaling

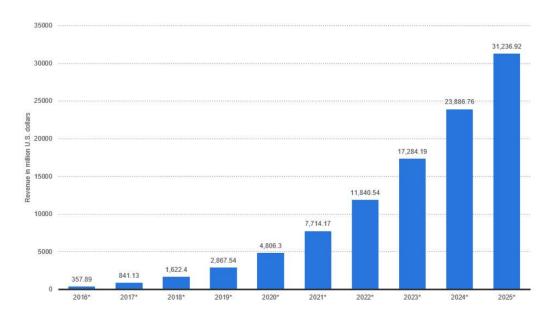
Al projected to grow exponentially Companies invested billions in new implementations annually

Future Features:

More personalized profiles for more comprehensive questions and deep learning

Images of fitness recommendations

Revenues from the artificial intelligence for enterprise applications market worldwide, from 2016 to 2025 (in million U.S. dollars)







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Meet the Team



Slavi Karaslavov Front End Engineer

15 year old Prodigy

Software University
Graduate



Ernest Choi Project Manager

Earnest3D LLC Founder

Purdue University
Graduate



Kinh Quốc Phạm Al Engineer

ARCHIVE Data Scientist

Tokyo International University Graduate



Roha Pathan Software Engineer

Harvard CS50 Graduate

Usman Institute of Technology Student