

Medical Tutor

YOUR PRESCRIPTION FOR MEDICAL MASTERY

Hamza ES-SAMAALI

17 December 2023



Hamza ES-SAMAALI

PhD. in Computer Engineering

Professor at EMSI Marrakesh

Med School is HARD!



Kharma Medic
(Dr. Nassir)



Dr. Ali Abdaal



Dr. Justin Sung

Medical Education Market:

- USA: Enrollments reached 96,520, a 17.8% increase since 2012. [1]
- UK: Every year around 9,500 enrollements.2000 increase since 2013 [2]
- Worldwide: WHO estimated 1.36 million medical students[3]
- Sector is Expected to Reach \$162.56 Billion by 2028 [3]

[1]: <https://www.aamc.org/news/nation-s-medical-schools-grow-more-diverse>

[2]: <https://commonslibrary.parliament.uk/research-briefings/cbp-9735/>

[3]: <https://shorturl.at/BWY89>

Medical Tutor:

Aims to be the ultimate study assistant:

- Upload and analyze course materials
- Generate study questions based on the content of uploaded documents.
- Answers the generated questions.

Future Improvements:

1. Imminent improvements:

- Larger context
- Handle French

2. Fine tuned LLM

3. Adaptive Learning

4. Feedback and Insights

Why not GPT4?

- **Specialized Content Analysis**
- **Adaptive Learning Algorithms**
- **Integrated Study Plans and Analytics**

Monetization:

Freemium Model:

- Basic Version for Free: limited number of documents and basic questions.
- Premium Upgrade: Premium subscription tier that unlocks advanced features, unlimited document uploads, and additional study materials.

Monetization:

Corporate or Institutional Licensing:

- Partner with medical schools, institutions, or corporations to offer group licenses.
- Provide customized solutions for educational institutions, enabling bulk purchases for students or collaborative learning environments.

Thank you  Morocco **Ai**