***AcharyaX Description***

**Project Idea Roadmap:**

* **Phase 1:** Develop basic functionalities (MVP).
* **Phase 2:** Gather user feedback and iterate on the design.
* **Phase 3:** Implement advanced features like AI-generated flashcards and learning paths.
* **Phase 4:** Deploy to a wider audience and consider monetization strategies.

**Go-to-Market Strategy:**

* Target educational institutions and individual learners.
* Utilize social media and online platforms to reach the target audience.
* Offer a freemium model with basic features available for free and advanced features as premium.

**Details of AI Concept:**

* The application uses a question-answering model from Hugging Face Transformers to allow users to ask questions based on their uploaded PDF notes. The AI provides context-based answers to enhance learning.

**Tools and Trends Used:**

* **Programming Languages:** Python, HTML, CSS
* **Frameworks:** Django for web development
* **Libraries:** PyMuPDF for PDF text extraction, Hugging Face Transformers for AI functionalities
* **Deployment:** AWS Party Rock for hosting

**Platform (Android, iOS, Web):**

* Web application (with potential future mobile app development).

**Programming Languages:**

* Python, HTML, CSS, JavaScript

**Innovation & Originality:**

* The application combines PDF text extraction with AI-driven question answering, creating a unique learning tool that adapts to user needs.

**Technical Complexity:**

* Challenges included integrating the AI model with Django, handling PDF uploads and text extraction, and ensuring a responsive web design.

**Functionality:**

* Users can upload PDF notes, ask questions, and receive relevant answers generated by the AI model. The application also plans to provide personalized learning paths and flashcards based on user input.

**Impact (Societal/Market):**

* The application aims to improve educational accessibility by providing a smart learning companion that caters to students' individual study needs, thereby enhancing their understanding and retention of complex subjects.