**Abdul Hadi** abdulhadics.github.io/ | linkedin.com/in/abdul-hadi-b66113300/ | [github.com/abdulhadics](https://github.com/saadahmedrana)

**SKILLS** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Software*** *Hospital Management System | AI Chat BOT| AI therapist | Inventory Management | portfolio Website | ReactJS | NodeJS | Typescript | Git*

***Languages*** *C++ | Next JS | Hypertext Markup Language (HTML) | JavaScript | Cascading Style Sheets (CSS) | Python*

***Creative***   *Public Speaking | Interpersonal | Leadership | Teamwork | Vision-board | Product/Market fit | MVP/Prototyping | SEO*

**EXPERIENCE** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
**Headstarter - Software Engineering Fellow**  
***July 2024 - Present***

* Built and deployed **5 AI projects in 5 weeks**:
* Utilized **React JS** **and Next.js** for building responsive, dynamic user interfaces.
* **Integrated Firebase** for backend services, including real-time database management and user authentication.
* Employed Clerk for seamless user authentication and management.
* Deployed the applications using **Vercel,** ensuring quick and efficient CI/CD with automatic deployments.
* Collaborated in a team of 3 to develop an interactive customer support agent:
* Used Next.js to build **the frontend and server-side** rendering for a responsive and fast user experience.
* Integrated **a custom RAG pipeline using OpenAI** to generate contextual and accurate responses.
* Implemented **Pinecone for vector-based** similarity search, enabling the agent to retrieve information from a company's knowledge base with high relevance.
* Worked with 3 Fellows to build and deploy a SaaS product for dynamic flashcard generation:
* Leveraged Next.js for the frontend and backend integration, enabling a seamless user experience.
* Employed the **Llama 3.1 LLM** via the Groq API for generating intelligent, topic-specific flashcards.
* Integrated **Stripe API** for implementing a paywall and custom pricing plans, facilitating monetization and subscription management.
* Implemented a web scraper **for Rate My Professor**:
* Built a web scraper using JavaScript to automatically extract data on professors, including ratings and comments.
* Upserted the scraped data to a Pinecone index for efficient and scalable data retrieval.
* Integrated the scraper with a RAG pipeline using LangChain and OpenAI GPT-4o, enabling real-time, accurate responses to user queries based on the latest data.
* Used Firebase for scalable backend services and real-time updates.
* Implemented user feedback loops to iteratively improve the UI/UX and backend performance.
* Deployed on Vercel to ensure optimal performance and quick scalability with minimal configuration.
* Participated in weekly sessions:
* Gained insights from engineers at Google, Y Combinator, Stanford, Amazon, and venture-backed startups.
* Applied industry best practices and cutting-edge technologies learned during these sessions to improve project quality and innovation

Remote, *SF, USA*

***PROJECTS*** *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

[*Inventory Management System*](https://github.com/saadahmedrana/Inventory_Management_By_Saad.git)*July 2024-Aug 2024*

*• Developed a website to manage the inventory using NodeJS and Material UI and hosted the website using Vercel.*

*• GPT AI was used to classify images and update the firebase.*

[*AI Flash Card SAAS*](https://github.com/saadahmedrana/parametric_and_performance_analysis.git) *July 2024-Aug 2024*

*• Built a Flashcard SaaS with Next.js , Clerk, OpenAI, Firebase and Stripe to enhance the learning experience of students.****AI CHAT BOT****• Built an AI chat bot and called the AI FUNBOT and also made one named AI THERAPIST using open api and NEXT.JS AND MATERIAL UI .*

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***EDUCATION*** *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

Comsats University Islamabad Bachelors in Computer Science | Mechatronics Major | Finland Scholar *Sep 2023-Present*

•Securing my Bachelors in computer science and worked on projects and made fire alarm system and also made electronic dice.

•Member of Comsats Sports Society and Organized Sports Week every semester.