

AIR University Islamabad

Internship report - EMRChains

(14-07-2025 to 22-08-2025)

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| Program | BSCS-F-23-B |
| Submission Date | 22-August-2025 |

Introduction

During my internship as a Full Stack Intern at EMRChains, I contributed to the development of innovative healthcare technology solutions. I worked extensively on SANA AI, an AI-powered chatbot for hospital websites, where I redesigned its UI/UX, built a responsive landing page, and integrated features such as language selection, clear chat functionality, and automated email generation via API.

I also contributed to a secure file storage system, handling both the frontend and backend. This involved working on authentication, data handling, and API integration, giving me hands-on experience in building scalable and user-friendly applications.

Through these projects, I gained practical exposure to end-to-end development, strengthening my skills in design, frontend, backend, and deployment while growing as a full stack developer.

About EMRChains

EMRChains is a healthcare technology company dedicated to streamlining communication and patient care through innovative digital solutions. Their services include intelligent tools such as SANA AI, designed to bridge the gap between healthcare providers and patients by offering 24/7 automated assistance, appointment handling, and multilingual support.

With a mission to improve healthcare accessibility and efficiency, EMRChains leverages modern web technologies, AI-powered systems, and user-friendly interfaces to create impactful products for hospitals, clinics, and healthcare platforms.

🌐 Profiles

GitHub: <https://github.com/AfiaaAziz>

LinkedIn:<https://www.linkedin.com/in/afia-aziz-0a65382a6/>

🌐 Deployed Work During Internship

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| SANA AI Landing Page | <https://emrchains.com/sana/> |
| Code on GitHub: | <https://github.com/AfiaaAziz/SANA-AI-Landing-Page> |
| SANA AI Chatbot: | <https://afiaaaziz.github.io/SANA-AI-Chatbot-User-Interface/> |
| Code on GitHub: | <https://github.com/AfiaaAziz/SANA-AI-Chatbot-User-Interface> |
| HiLink App: | [https://hilink-sigma-lime.vercel.app/](https://hilink-sigma-lime.vercel.app) |
| Code on GitHub: | <https://github.com/AfiaaAziz/Hilink> |
| Email API Code on GitHub: | <https://github.com/AfiaaAziz/Email-API> |
| EMRChains secure storage Code on GitHub: | <https://github.com/AfiaaAziz/EMRChains-Storage> |



Week 1 (14/07/2025 – 18/07/2025) → HiLink (User Interface of Travel Website)

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| No. | Date | Location | Task Description |
| 1 | |  | | --- | |  |  |  | | --- | | Monday  14/07/2025 | | EMRChains NSTP | Internship orientation, environment setup (Node.js, React, Next.js, Supabase). |
| 2 | |  | | --- | |  |  |  | | --- | | Tuesday  15/07/2025 | | EMRChains NSTP | Study Next.js basics (routing, SSR, API routes) → HiLink project foundation. |
| 3 | |  | | --- | |  |  |  | | --- | | Wednesday  16/07/2025 | | EMRChains NSTP | Implement NextAuth authentication in HiLink. |
| 4 | |  | | --- | |  |  |  | | --- | | Thursday  17/07/2025 | | EMRChains NSTP | Connect Supabase DB → store name, email, messages. |
| 5 | |  | | --- | |  |  |  | | --- | | Friday  18/07/2025 | | EMRChains NSTP | |  | | --- | |  |  |  | | --- | | Deploy HiLink on Vercel + testing. | |

Week 2 (21/07/2025 – 25/07/2025) → Sana AI Chatbot UI Redesign

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| No. | Date | Location | Task Description |
| 1 | |  | | --- | |  |  |  | | --- | | Monday  21/07/2025 | | EMRChains NSTP | Analyze old chatbot UI → prepare wireframes for redesign. |
| 2 | |  | | --- | |  |  |  | | --- | | Tuesday  22/07/2025 | | EMRChains NSTP | Add welcome screen + clear chat feature. |
| 3 | |  | | --- | |  |  |  | | --- | | Wednesday  23/07/2025 | | EMRChains NSTP | Implement home & back navigation. |
| 4 | |  | | --- | |  |  |  | | --- | | Thursday  24/07/2025 | | EMRChains NSTP | Improve responsive design + hover effects. |
| 5 | |  | | --- | |  |  |  | | --- | | Friday  25/07/2025 | | EMRChains NSTP | Internal review, bug fixing, prepare for deployment. |



Week 3 (28/07/2025 – 01/08/2025) → Deployment & Multilingual Feature

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| No. | Date | Location | Task Description |
| 1 | |  | | --- | |  |  |  | | --- | | Monday  28/07/2025 | | EMRChains NSTP | Test redesigned chatbot across browsers/devices. |
| 2 | |  | | --- | |  |  |  | | --- | | Tuesday  29/07/2025 | | EMRChains NSTP | |  | | --- | |  |  |  | | --- | | Deploy chatbot to PakHealthcare & IICI websites. | |
| 3 | |  | | --- | |  |  |  | | --- | | Wednesday  30/07/2025 | | EMRChains NSTP | |  | | --- | |  |  |  |  |  | | --- | --- | --- | | |  | | --- | | Client requested multilingual → design language selector UI. |  |  | | --- | |  | | |
| 4 | |  | | --- | |  |  |  | | --- | | Thursday  31/07/2025 | | EMRChains NSTP | Implement language logic + translations. |
| 5 | |  | | --- | |  |  |  | | --- | | Friday  01/08/2025 | | EMRChains NSTP | Deploy multilingual chatbot to CDC website + testing. |

Week 4 (04/08/2025 – 08/08/2025) → SANA AI Website

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| No. | Date | Location | Task Description |
| 1 | |  | | --- | |  |  |  | | --- | | Monday  04/08/2025 | | EMRChains NSTP | Design landing page wireframes → sections (Home, Features, Reviews). |
| 2 | |  | | --- | |  |  |  | | --- | | Tuesday  05/08/2025 | | EMRChains NSTP | Build Hero + Features section. |
| 3 | |  | | --- | |  |  |  | | --- | | Wednesday  06/08/2025 | | EMRChains NSTP | Build Clients + Reviews section. |
| 4 | |  | | --- | |  |  |  | | --- | | Thursday  07/08/2025 | | EMRChains NSTP | |  | | --- | | Add Book a Demo form + connect with Google Sheets. |  |  | | --- | |  | |
| 5 | |  | | --- | |  |  |  | | --- | | Friday  08/08/2025 | | EMRChains NSTP | Testing + connect **chatbot into website**. |



Week 5 (11/08/2025 – 15/08/2025) → Email API & Deployment

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| No. | Date | Location | Task Description |
| 1 | |  | | --- | |  |  |  | | --- | | Monday  11/08/2025 | | EMRChains NSTP | |  | | --- | | Build Python API for auto-generated email (demo requests). |  |  | | --- | |  | |
| 2 | |  | | --- | |  |  |  | | --- | | Tuesday  12/08/2025 | | EMRChains NSTP | Integrate API with landing page form. |
| 3 | |  | | --- | |  |  |  | | --- | | Wednesday  13/08/2025 | | EMRChains NSTP | Deploy SANA AI landing page → <https://emrchains.com/sana/>. |
| 4 | |  | | --- | |  |  |  | | --- | | Thursday  14/08/2025 | | EMRChains NSTP | Independence Day Holiday. |
| 5 | |  | | --- | |  |  |  | | --- | | Friday  15/08/2025 | | EMRChains NSTP | Testing website + chatbot integration across browsers. |

Week 6 (18/08/2025 – 22/08/2025) → EMRChains File Storage System, Documentation & Presentation

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| No. | Date | Location | Task Description |
| 1 | |  | | --- | |  |  |  | | --- | | Monday  18/08/2025 | | EMRChains NSTP | Develop login system (React + auth) for storage. |
| 2 | |  | | --- | |  |  |  | | --- | | Tuesday  19/08/2025 | | EMRChains NSTP | Implement file & folder creation/deletion feature. |
| 3 | |  | | --- | |  |  |  | | --- | | Wednesday  20/08/2025 | | EMRChains NSTP | Add file/folder upload & download functionality. |
| 4 | |  | | --- | |  |  |  | | --- | | Thursday  21/08/2025 | | EMRChains NSTP | Testing storage system + bug fixing. |
| 5 | |  | | --- | |  |  |  | | --- | | Friday  22/08/2025 | | EMRChains NSTP | Documentation, final project demo, internship closing. |

Key Learnings and Outcomes

1. Gained hands-on experience in full-stack development, covering frontend, backend, and deployment.
2. Strengthened skills in UI/UX design, creating responsive and user-friendly interfaces.
3. Improved understanding of API integration and secure data handling.
4. Learned to design and implement scalable web applications.
5. Enhanced collaboration, problem-solving, and project management abilities while working in a professional environment.
6. Developed confidence in applying theoretical knowledge to real-world projects, particularly in healthcare tech solutions.