Internship progress report

**Knowledge Transfer:**

1. Learnt flow of US healthcare and various terminologies related to it such as inpatient, outpatient, types of care (long term care, ambulatory care, etc.), payer, insurance, etc.
2. HL7 v2:
   1. Learnt basic terminologies related to it.
   2. Message format.
3. Basic terminologies related to FHIR and CDA through HLL 201 Healthcare Interoperability Standard session.
4. FTP:
   1. Learnt about flow of FTP.
   2. Basic terminologies such as inbound, outbound etc.

**Hands on Training:**

1. Microsoft Power Apps:
   1. Done training on canvas apps and model driven apps. Built some applications during training.
   2. Completed 3 LinkedIn Learning courses of Microsoft power apps.

**Projects Done:**

1. MI Comparator:
   1. Takes two csv files which contain connection status of server of different times, performs comparison and outputs the difference between two files and connections with warning status.
   2. Built this comparator using python scripts. Console-based.
2. Smart Care Solution:
   1. Project built during CRCA hackathon.
   2. A smart care coordination app which provides coordinated care to the patient. Easily create, personalize, and enable new care plans for patients, and manage care team members.
   3. Built using Microsoft power platform. Worked with Dataverse to create tables. Also created views and forms for each of these tables.
   4. Learnt and worked with power automate for sending scheduled mail to patients as remainder for appointment.
3. DocTalk App:
   1. A react native mobile application which helps user to find doctor/hospital according to his/her condition.
   2. Requirements:
      1. To add profile page to application
      2. To add page which displays list of doctors

**Smart Care Solution:**

**Problem Statement:** A smart care management app which provides personalized care plans for different medical condition of patient.

**Solution:**

**Methodology:**

**Req 1**

1. Analyzing the requirements.
2. Analyzing the data model from Microsoft care management
3. Creating tables in dataverse with necessary columns.
4. Creating required forms and view.

**Req 2**

1. Analyzing the requirement.
2. Building logic for sending email.
3. Creating scheduled flow in power automate to send outlook email.

Solution:

Get the environment variable (Days Due) which is declared in environment.

Compare it with difference of current date and appointment date.

If the comparison is less than Days Due then trigger flow for sending Outlook Email.

**Tech Stack used: Microsoft power platform.**

**Accomplishments:**

**Future Scope:**

1. Use of Microsoft Copilot in app

**Key Takeaways:**

**Doctalk Mobile App:**

**Problem Statement:** A mobile application which recommends doctor and hospital to patient according to his/her medical condition.

**Requirement:**

1. Addition of Profile page for user to view his/her personal information, contact information, appointments, etc.
2. Add page which displays list of doctors.

**Methodology:**

1. Designing Figma drawing for basic UI
2. Developing basic functionality
3. Improved user interface
4. Integrating it with application

**Tech Stack used:** React Native, CSS

**Accomplishments:**

1. Learnt basics of React and React Native framework.
2. Learnt basics of UI.

**Future Scope:**

1. Adding remainder functionality.
2. Adding functionality to edit button in profile tab.
3. Adding functionality to delete button on appointment.
4. Adding search functionality in doctors tab.
5. Implementing logic to use dynamic data.

**Key Takeaways:**

**Non-technical:**

1. **Networking**
2. **Collaboration and team work**
3. **Adaptability**

**Technical:**

1. **Microsoft Power Apps**
2. **Power Automate**
3. **React**
4. **React Native**

**Intro: 0.25 min**

**Table of Content: 0.25 min**

**Knowledge Transfer: 0.5 min**

**MI Comparator: 3 min**

**Smart Care Solution: 8 min**

**React Native: 2.5 min**

**Key takeaways: 1 min**

**Q&A:**