

# Weekly Internship Report

**Name:** Krushna Bankar

**Company:** Main Flow Services and Technologies Pvt. Ltd.

**Department:** Backend Engineering

**Week Period:** October 6, 2025 - October 10, 2025 (Week 2)

**Faculty Mentor:** Prof. Harish Gadade

## 1. Summary of the Week

This week was focused on **design and collaboration**. The primary goal was to define the architecture for a new "User Profile" feature. I moved from understanding the existing codebase to actively contributing to the design of a new component, culminating in a presentation of my initial wireframes to the team.

## 2. Tasks Completed

- **Designed API Schema:** Collaborated with my industry mentor, Mr. Anand Desai, to outline the REST API endpoints and data structure for the User Profile feature.
- **Created UI Wireframes:** Developed low-fidelity wireframes using **Figma** to visualize the user interface for the profile page, including 'edit' and 'view' modes.
- **Presented to the Team:** Presented the proposed API design and UI wireframes at the weekly team meeting on Friday.
- **Technical Documentation:** Wrote initial documentation for the new API endpoints in Confluence.

## 3. Skills Learned & Applied

- **Technical Skills:**
  - **API Design:** Gained practical experience in designing RESTful APIs.
  - **Figma:** Applied my knowledge of Figma to create professional wireframes.
  - **Technical Documentation:** Learned how to document technical specifications for a development team.
- **Soft Skills:**
  - **Teamwork & Collaboration:** Worked closely with a senior developer.
  - **Communication:** Clearly articulated my design choices during the team meeting.
  - **Receiving Feedback:** Actively listened to and incorporated feedback from the team on my designs.

## 4. Challenges Faced & Solutions

- **Challenge:** I initially struggled with how to handle different user roles (e.g., 'admin' vs. 'user') in the API design.
- **Solution:** After discussing with my mentor, I learned about **Role-Based Access Control (RBAC)** and incorporated it into the schema, defining different permissions for each endpoint.

## 5. Goals for Next Week

- Finalize the UI/UX based on the team's feedback.
- Begin writing the initial boilerplate code for the new API endpoints in Python.
- Start developing the basic frontend components for the profile page using React.