

# **INTERNSHIP PLAN**

## **Travel Website + Data Analysis**

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# **Introduction**

This document outlines the 9-week internship project plan focused on combining web development and data analysis. The goal of the internship is to design and build a travel-booking-themed website that not only presents travel information but also integrates data-driven insights using Python.

While my academic background is primarily in web development, this internship provides an opportunity to explore practical applications of data analysis within a web-based project. The plan below includes weekly objectives, tasks, and deliverables to ensure structured progress and clear milestones throughout the internship period.

## **Weekly Project Plan**

### **Week 1 – Onboarding & Planning (2 june - 8 june)**

#### **Goals:**

- Understand company goals, tools, and workflows.
- Define project scope (travel site + data features).

#### **Tasks:**

- Find a data sample that will be used later on (example <https://www.kaggle.com/datasets/rkiattisak/traveler-trip-data>)
- Intro to workplace tools (Git, project board, communication).
- Research similar travel websites.
- Draft website structure (e.g., homepage, destinations, reviews, booking).
- Brainstorm data features (e.g., most visited places, user ratings, weather trends).

**Deliverable:** Project outline + rough wireframes.

### **Week 2 – Web Basics & Setup (9 june - 15 june)**

#### **Goals:**

- Set up frontend and backend.

- Create base structure of the website.

**Tasks:**

- Choose tech stack (e.g., HTML/CSS + Flask/Django or JS framework).
- Initialize Git repo.
- Set up basic routes and pages.
- Create templates for homepage, destination list, etc.

**Deliverable:** Skeleton website with working navigation.

### **Week 3 – Frontend Development (16 june - 22 june)**

**Goals:**

- Develop UI for major sections.

**Tasks:**

- Implement homepage, destination cards, and contact form.
- Responsive design for mobile/tablet.
- Add dummy data to show layout

**Deliverable:** Functional UI with placeholders.

### **Week 4 – Backend & Database (23 june - 29 june)**

**Goals:**

- Connect site with database.

**Tasks:**

- Set up SQLite/PostgreSQL database.
- Create models for destinations, user reviews, etc.
- Add admin functionality to insert/edit/delete content.

**Deliverable:** Dynamic content served from the database.

### **Week 5 – Intro to Data Analysis (30 june - 6 july)**

**Goals:**

- Prepare for integrating analysis.

**Tasks:**

- Learn basics of data analysis in Python (pandas, matplotlib/seaborn).
- Load sample travel-related datasets (e.g., tourist arrivals, ratings).
- Perform EDA (exploratory data analysis).

**Deliverable:** Jupyter notebook with initial insights and graphs.

## **Week 6 – Integrating Data into Website (7 july - 13 july)**

**Goals:**

- Visualize data in the site.

**Tasks:**

- Use Flask/Django to serve charts using Chart.js, Plotly, or Matplotlib (as images).
- Add a “Travel Trends” page showing data (e.g., bar chart of popular countries).

**Deliverable:** One dynamic page with interactive or static charts.

## **Week 7 – Advanced Features & Polishing (14 july - 20 july)**

**Goals:**

- Add more interactive or filtered data analysis.

**Tasks:**

- Let users filter data (e.g., top 5 countries per continent).
- Implement user feedback.

**Deliverable:** Usable travel site with live data components.

## **Week 8 – Testing & Feedback (21 july - 27 july)**

**Goals:**

- Refine based on user or mentor input.

**Tasks:**

- Perform usability testing (mentor).
- Fix bugs, improve design, optimize performance.

**Deliverable:** Improved and polished version of the project.

## **Week 9 – Presentation & Wrap-up (28 july - 2 august)**

**Goals:**

- Document and present the project.

**Tasks:**

- Write README + user manual.
- Create a short presentation (slides + demo).
- Present project to supervisor.

**Deliverable:** Final presentation + GitHub repo + documented code.

## **Conclusion**

This internship project is designed to provide hands-on experience in both web development and data analysis, culminating in a functional travel booking website with meaningful data insights. I look forward to applying my academic knowledge in a practical setting and further developing my skills throughout this internship.

Thank you for the opportunity to contribute and grow through this project.