

## Summary Report of Work Completed on Day 15

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### 1. Feature for Analyzing Past Data for Future Suggestions:

- **Research and Planning:** Started developing a feature to analyze past data for insights and predictions, focusing on identifying trends and patterns.
- **Data Collection:** Structured historical data for analysis, ensuring proper cleaning and labeling for effective use with algorithms.
- **Algorithm Development:** Began building algorithms to predict future trends and generate recommendations based on past data.
- **Integration:** Worked on integrating the feature into the existing system and ensuring insights are actionable and user-friendly.

### 2. Automatic Email Notification Feature:

- **Design and Setup:** Planned and began configuring an email notification system to trigger alerts for specific events, using services like SendGrid or Amazon SES.
- **Customizable Alerts:** Worked on making notifications customizable for users to manage preferences.
- **Testing:** Tested the feature to ensure correct email delivery and appropriate triggers.
- **UI for Preferences:** Started developing a user interface for users to manage their email settings.

These features aim to enhance user engagement by providing actionable insights and timely notifications.