Internship Project Presentation
on

Copilot integration in Teams Admin Center (TAC) using React, MobX, and RxJS.

Presented By:

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CSE-AI(1)

Job Profile

Role: Software Engineer Intern
Team / Domain: Teams Admin Center (TAC) — Policy Management
Tech Stack: React, TypeScript, MobX, RxJS, REST APIs
Focus Areas: Copilot UI component, API integration, dynamic policy recommendations

Problem Statement

Admins in TAC need faster, contextual policy guidance and lower friction for policy configuration.
Manual policy authoring is error-prone and time-consuming across many settings and tenant scenarios.
Speaker note: Explain the real-world pain: scale, variety of policies, admin cognitive load.

Project Objective

Integrate Copilot into TAC to provide contextual policy recommendations.
Build a reusable, accessible Copilot component for policy pages.
Implement reliable API flows and license checks for Copilot availability.
Improve admin experience with loading/highlight states and actionable suggestions.

Scope & Deliverables

Scope: Common Copilot component, Messaging Policy integration, UI states, API integration.
Deliverables:
- Common Copilot component for TAC (React + MobX).
- Integration into Messaging Policy page.
- Loading / Highlight UI states.
- Copilot license check + API calls.
- PRs and documentation.

Technical Achievements

- Built a **common Copilot component** usable across TAC policy pages

- Implemented robust **MobX + RxJS** data flows for responsive UI

- Delivered **loading & highlight states** improving admin clarity

- Implemented **Copilot license check** and secure API integration

- Authored documentation and reusable patterns for future extensions

Research Paper

Malignant and Benign Breast Cancer Classification using Machine and Deep Learning Algorithms

- Developed an intelligent model for **early breast cancer detection** using **machine learning and CNN-based deep learning**.

- Used the **Kaggle Breast Cancer Dataset**; performed **data preprocessing, feature selection, and augmentation** to improve model quality.

- Implemented a **Convolutional Neural Network (CNN)** using **TensorFlow and Keras**, achieving **96% accuracy** in classifying tumors as **malignant or benign**.

- Compared CNN performance with traditional ML models like **Logistic Regression, Decision Tree, and SVM**, showing superior accuracy and reliability.

- The study highlights how **AI can enhance diagnostic precision**, reduce human error, and support **AI-driven healthcare systems** for faster, cost-effective detection.

Internship Certificate