

# Conestoga College – INFO8665: Capstone Project (API Architectures)

## Assignment 2: Azure DevOps Boards + GitHub Setup + Epics, Features & Tasks

Group 3 – MemoriAI

Date: October 20, 2025

Instructor: Dr. Anasuya Bhima

Team Members: Ayyazoglu, Tessa Nejla | Bovilla, Krishna Reddy | Kondeti, Adhitya | Sejwal, Bhupender | Singh, Kumari Nikitha

### 1. Azure DevOps Board Setup and Configuration

**Azure DevOps Project URL:** <https://dev.azure.com/Akondeti7046/>

The Azure DevOps project is configured with all required members and instructor access. Sprints 1–6 have been defined and scheduled. Each feature has related stories and tasks assigned to members. Below are placeholders for your screenshots.

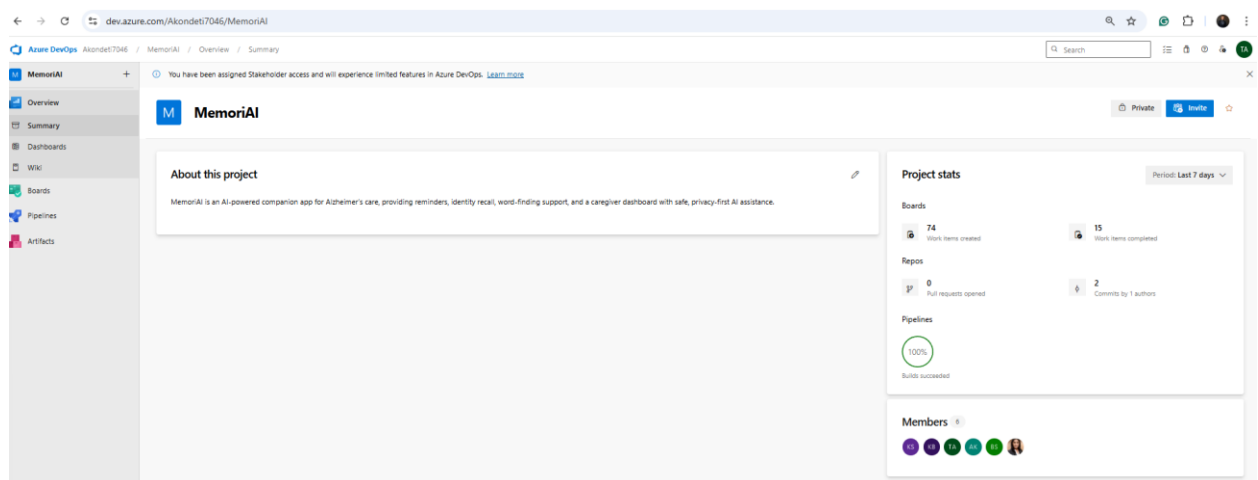


Figure 1 – Azure DevOps Board Setup

dev.azure.com/Akondeti7046/MemoriAI/\_workitems/recentlyupdated/

Azure DevOps

Akondeti7046 / MemoriAI / Boards / Work Items

MemoriAI

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Feature (+1)

ID	Title	Assigned To	State	Area Path	Tags	Comments	Activity Date
1	Data Collection	Unassigned	New	MemoriAI			9/16/2025 10:29:28 PM
2	Find Alzheimer-related open datasets	Unassigned	To Do	MemoriAI			9/16/2025 10:39:40 PM
4	Interactive brain-training games (memory, attention, reasoning).	Unassigned	Removed	MemoriAI			10/20/2025 8:06:44 PM
5	AI-based performance monitoring.	Unassigned	Removed	MemoriAI			10/20/2025 8:19:20 PM
6	Automated alerts for risk patterns.	Unassigned	Removed	MemoriAI			10/20/2025 8:19:51 PM
8	Memory & attention games with performance tracking and decline al	Unassigned	Removed	MemoriAI			10/20/2025 8:19:43 PM
17	Design UI for cognitive games.	Adhitya Kondeti	Removed	MemoriAI			10/20/2025 8:07:51 PM
18	Implement scoring engine.	Kumari Nikitha Singh	To Do	MemoriAI			9/23/2025 11:26:57 PM
19	Build performance-trend database.	Tessa Neja Ayvazoglu	Removed	MemoriAI			10/20/2025 8:07:10 PM
20	Define configurable thresholds.	Bhupender Sejwal	Removed	MemoriAI			10/20/2025 8:07:31 PM
21	Set up SMS/email/push notifications.	Krishna Reddy Bovilla	To Do	MemoriAI			9/23/2025 11:28:08 PM
22	Design UI for cognitive games.	Unassigned	Removed	MemoriAI			10/20/2025 8:07:41 PM
23	User Acceptance Testing	Unassigned	Removed	MemoriAI			10/20/2025 8:30:46 PM
24	User Acceptance Testing.	Unassigned	To Do	MemoriAI			10/20/2025 7:23:45 PM
25	Architecture diagrams, Epics/Features/Stories & AI/ML & model desi	Tessa Neja Ayvazoglu	To Do	MemoriAI			10/20/2025 6:49:28 PM
26	Architecture diagrams, Epics/Features/Stories & Backend & API impli	Krishna Reddy Bovilla	To Do	MemoriAI			10/20/2025 6:51:43 PM
28	Architecture diagrams, Epics/Features/Stories & Frontend & dashbo	Bhupender Sejwal	To Do	MemoriAI			10/20/2025 6:52:46 PM
29	Architecture diagrams, Epics/Features/Stories & QA, documentation,	Kumari Nikitha Singh	To Do	MemoriAI			10/20/2025 6:53:25 PM
30	FastAPI setup, SQL schema & AI/ML & model design	Tessa Neja Ayvazoglu	To Do	MemoriAI			10/20/2025 6:53:56 PM
31	FastAPI setup, SQL schema & Backend & API implementation	Krishna Reddy Bovilla	To Do	MemoriAI			10/20/2025 6:54:27 PM
33	FastAPI setup, SQL schema & Frontend & dashboard UI	Bhupender Sejwal	To Do	MemoriAI			10/20/2025 6:55:58 PM
34	FastAPI setup, SQL schema & QA, documentation, and UAT setup	Kumari Nikitha Singh	To Do	MemoriAI			10/20/2025 6:56:28 PM
35	Initial ML pipeline & AI/ML & model design	Tessa Neja Ayvazoglu	To Do	MemoriAI			10/20/2025 6:57:02 PM

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Recycle Bin

Filter by keyword

Feature (+1)

ID	Title	Assigned To	State	Area Path	Tags	Comments	Activity Date
36	Initial ML pipeline & Backend & API implementation	Krishna Reddy Bovilla	To Do	MemoriAI			10/20/2025 6:58:03 PM
38	Initial ML pipeline & Frontend & dashboard UI	Bhupender Sejwal	To Do	MemoriAI			10/20/2025 6:59:14 PM
39	Initial ML pipeline & QA, documentation, and UAT setup	Kumari Nikitha Singh	To Do	MemoriAI			10/20/2025 6:59:40 PM
40	Scheduler & reminder engine & AI/ML & model design	Tessa Neja Ayvazoglu	To Do	MemoriAI			10/20/2025 7:01:21 PM
41	Scheduler & reminder engine & Backend & API implementation	Krishna Reddy Bovilla	To Do	MemoriAI			10/20/2025 7:02:03 PM
43	Scheduler & reminder engine & Frontend & dashboard UI	Bhupender Sejwal	To Do	MemoriAI			10/20/2025 7:03:02 PM
44	Scheduler & reminder engine & QA, documentation, and UAT setup	Kumari Nikitha Singh	To Do	MemoriAI			10/20/2025 7:03:31 PM
45	Visualization and metrics & AI/ML & model design	Tessa Neja Ayvazoglu	To Do	MemoriAI			10/20/2025 7:04:07 PM
46	Visualization and metrics & Backend & API implementation	Krishna Reddy Bovilla	To Do	MemoriAI			10/20/2025 7:04:50 PM
48	Visualization and metrics & Frontend & dashboard UI	Bhupender Sejwal	To Do	MemoriAI			10/20/2025 7:06:13 PM
49	Visualization and metrics & QA, documentation, and UAT setup	Kumari Nikitha Singh	To Do	MemoriAI			10/20/2025 7:06:47 PM
50	Auth, RBAC, integration tests & AI/ML & model design	Tessa Neja Ayvazoglu	To Do	MemoriAI			10/20/2025 7:07:33 PM
51	Auth, RBAC, integration tests & Backend & API implementation	Krishna Reddy Bovilla	To Do	MemoriAI			10/20/2025 7:07:57 PM
53	Auth, RBAC, integration tests & Frontend & dashboard UI	Bhupender Sejwal	To Do	MemoriAI			10/20/2025 7:08:58 PM
54	Auth, RBAC, integration tests & QA, documentation, and UAT setup	Kumari Nikitha Singh	To Do	MemoriAI			10/20/2025 7:09:25 PM
55	Final UAT, documentation, and delivery & AI/ML & model design	Tessa Neja Ayvazoglu	To Do	MemoriAI			10/20/2025 7:14:07 PM
56	Final UAT, documentation, and delivery & Backend & API implement	Krishna Reddy Bovilla	To Do	MemoriAI			10/20/2025 7:14:17 PM
58	Final UAT, documentation, and delivery & Frontend & dashboard UI	Bhupender Sejwal	To Do	MemoriAI			10/20/2025 7:14:37 PM
59	Final UAT, documentation, and delivery & QA, documentation, and L	Kumari Nikitha Singh	To Do	MemoriAI			10/20/2025 7:14:47 PM
60	Research, tool setup, literature review & AI/ML & model design	Tessa Neja Ayvazoglu	To Do	MemoriAI			10/20/2025 7:15:21 PM
61	Research, tool setup, literature review & Backend & API implementa	Krishna Reddy Bovilla	To Do	MemoriAI			10/20/2025 7:15:44 PM
63	Research, tool setup, literature review & Frontend & dashboard UI	Bhupender Sejwal	To Do	MemoriAI			10/20/2025 7:16:41 PM
64	Research, tool setup, literature review & QA, documentation, and UA	Kumari Nikitha Singh	To Do	MemoriAI			10/20/2025 7:18:17 PM

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Feature (+1)

ID	Title	Assigned To	State	Area Path	Tags	Comments	Activity Date
63	Research, tool setup, literature review & Frontend & dashboard UI	Bhupender Sejwal	To Do	MemoriAI			10/20/2025 7:16:41 PM
64	Research, tool setup, literature review & QA, documentation, and UI	Kumari Nikitha Singh	To Do	MemoriAI			10/20/2025 7:18:17 PM
66	AI/ML & Model Design	Unassigned	Removed	MemoriAI			10/20/2025 8:19:11 PM
67	Research, Tool Setup & Literature Review	Unassigned	New	MemoriAI			10/20/2025 8:18:23 PM
68	Architecture Diagrams, Epics/Features/Stories Planning	Unassigned	New	MemoriAI			10/20/2025 8:20:19 PM
69	FastAPI Setup and SQL Schema Design	Unassigned	New	MemoriAI			10/20/2025 8:20:50 PM
70	Initial ML Pipeline and System Integration	Unassigned	New	MemoriAI			10/20/2025 8:21:19 PM
71	Scheduler and Reminder Engine Implementation	Unassigned	New	MemoriAI			10/20/2025 8:21:48 PM
72	Visualization and Metrics Dashboard	Unassigned	New	MemoriAI			10/20/2025 8:22:22 PM
73	Auth, RBAC, and Integration Testing	Unassigned	New	MemoriAI			10/20/2025 8:22:46 PM
74	Final UAT, Documentation, and Delivery	Unassigned	New	MemoriAI			10/20/2025 8:23:15 PM
87	Internal Review — FastAPI & SQL Schema Setup	Kumari Nikitha Singh	In Progress	MemoriAI			10/20/2025 8:59:58 PM
88	UAT — FastAPI & SQL Schema Setup	Kumari Nikitha Singh	In Progress	MemoriAI			10/20/2025 9:00:49 PM
89	Internal Review — Initial ML Pipeline	Kumari Nikitha Singh	In Progress	MemoriAI			10/20/2025 9:01:42 PM
90	UAT — Initial ML Pipeline	Kumari Nikitha Singh	In Progress	MemoriAI			10/20/2025 9:02:44 PM
91	Internal Review — Scheduler & Reminder Engine	Kumari Nikitha Singh	In Progress	MemoriAI			10/20/2025 9:06:06 PM
92	UAT — Scheduler & Reminder Engine	Kumari Nikitha Singh	In Progress	MemoriAI			10/20/2025 9:06:53 PM
93	Internal Review — Visualization & Metrics Dashboard	Kumari Nikitha Singh	In Progress	MemoriAI			10/20/2025 9:07:58 PM
94	UAT — Visualization & Metrics Dashboard	Kumari Nikitha Singh	To Do	MemoriAI			10/20/2025 9:10:57 PM
95	Internal Review — Auth & RBAC Testing	Kumari Nikitha Singh	In Progress	MemoriAI			10/20/2025 9:13:16 PM
96	UAT — Auth & RBAC Testing	Kumari Nikitha Singh	In Progress	MemoriAI			10/20/2025 9:14:13 PM
97	Internal Review — Final UAT & Delivery	Kumari Nikitha Singh	In Progress	MemoriAI			10/20/2025 9:15:40 PM
98	UAT — Final UAT & Delivery	Kumari Nikitha Singh	To Do	MemoriAI			10/20/2025 9:16:14 PM

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As a stakeholder, you can access the backlog, task and Kanban boards, work items and manage approvals for Releases. [Learn more](#)

MemoriAI Team

Board Analytics

New

Approved

Committed

Done

New item

13 Internal Review

82 Perform final validation and delivery tasks

81 Integrate authentication and perform system tests

78 Develop baseline ML model and integrate system

79 Implement reminder engine and scheduler logic

80 Build performance dashboards and visual analytics

77 Develop FastAPI structure and SQL schema

76 Define system architecture and backlog items

75 Conduct research and setup across all modules

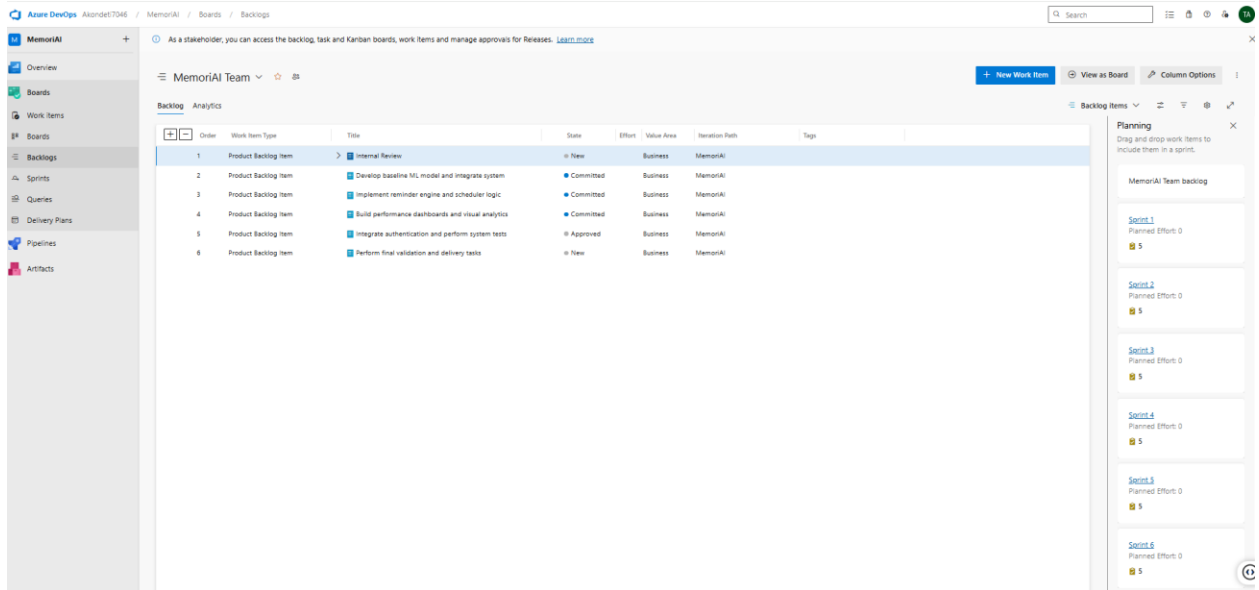
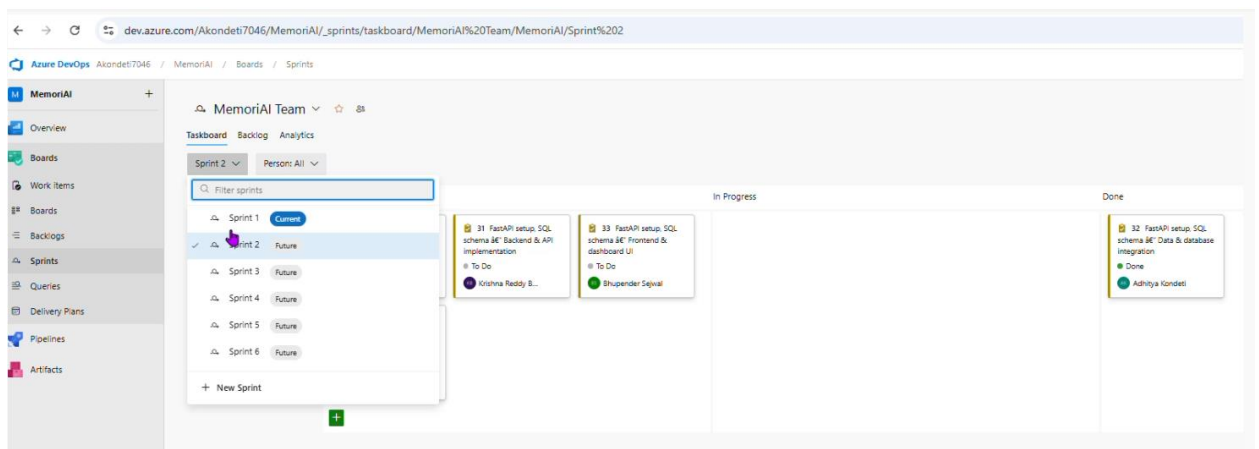
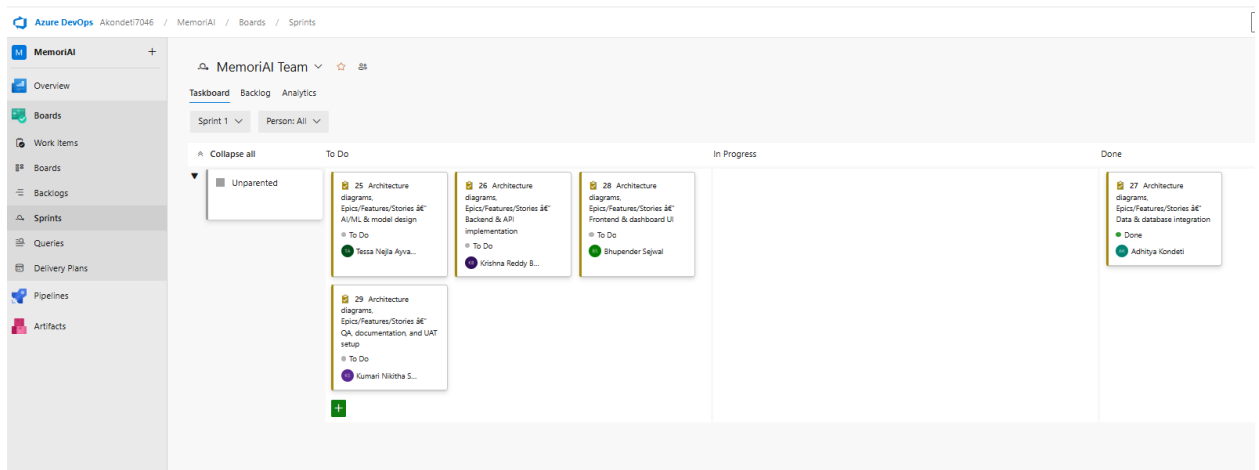


Figure 2 – Sprint Planning View

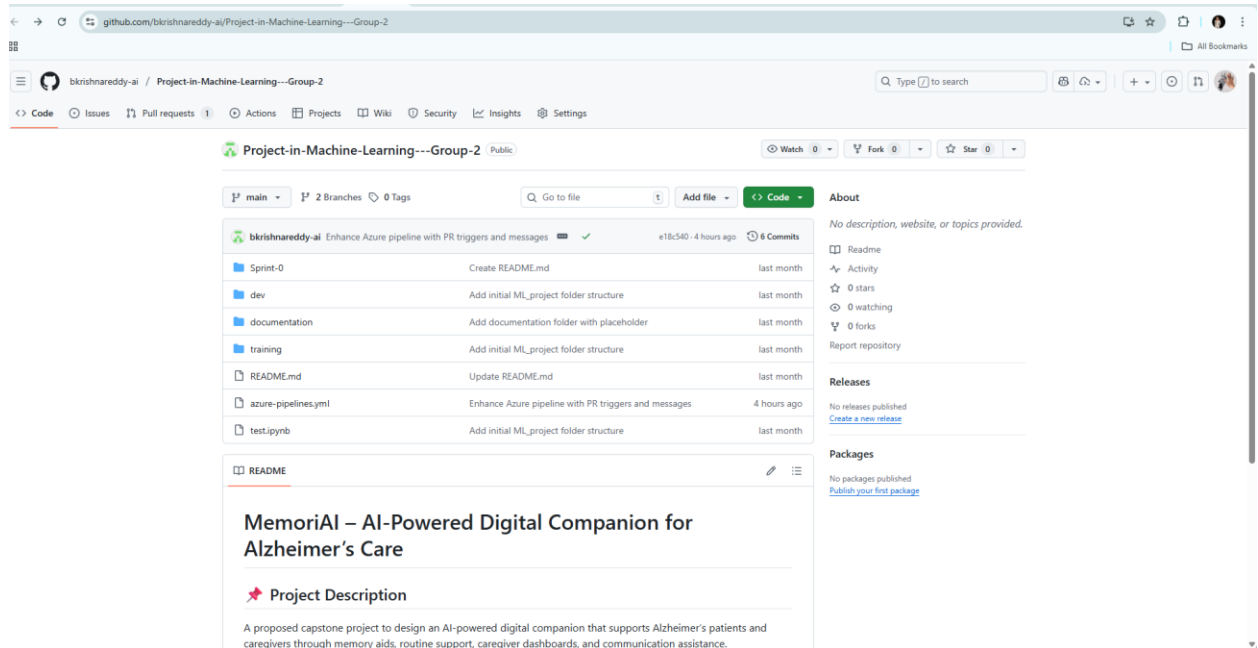


## 2. GitHub Repository Setup and Integration

**GitHub Repository URL:** <https://github.com/bkrishnareddy-ai/Project-in-Machine-Learning---Group-2>

The GitHub repository includes organized structure (/src, /data, /api, /tests, /docs), a detailed README, and granted access to the instructor. One Pull Request (#1) has been created and approved by the instructor.

Figure 3 – Repository Structure and README Overview



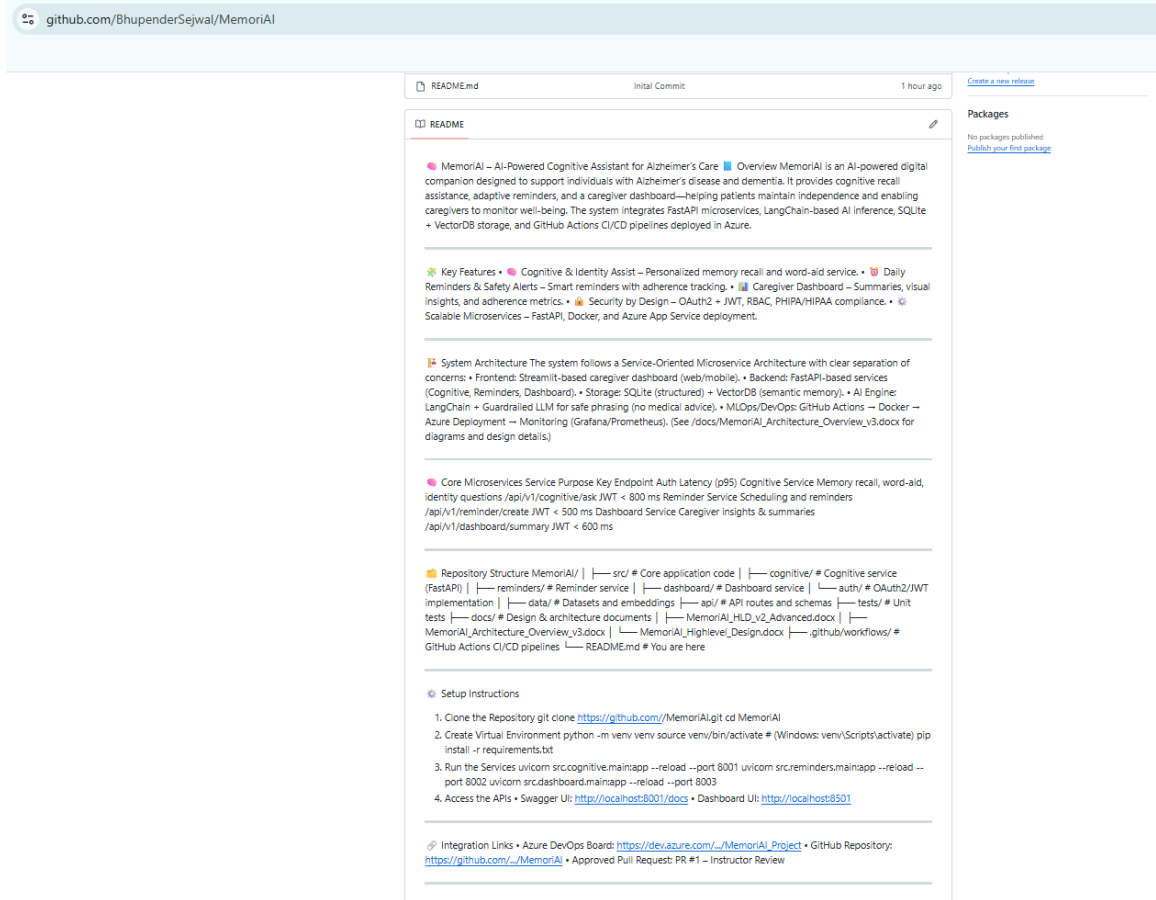
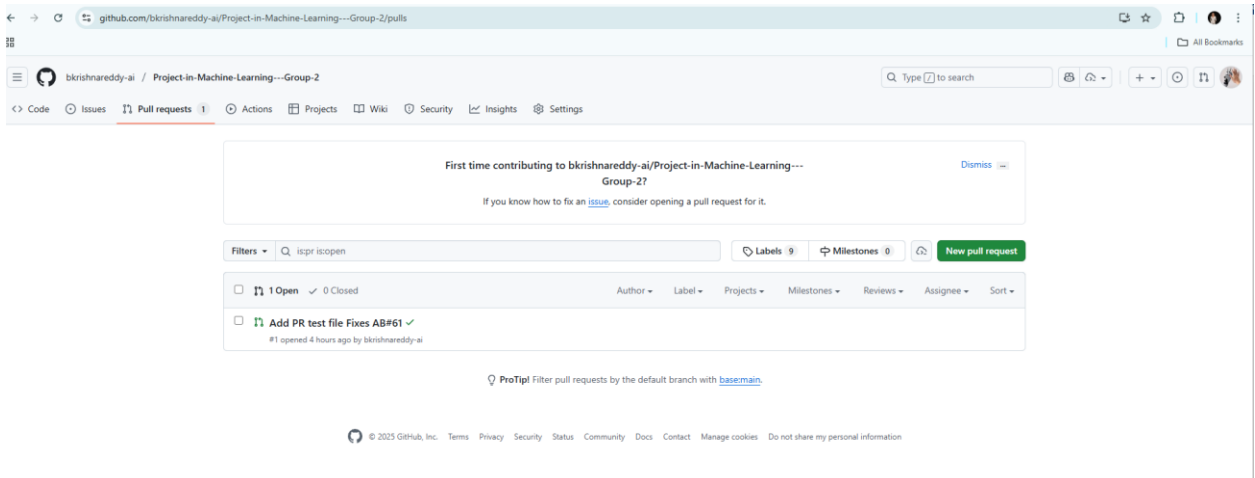


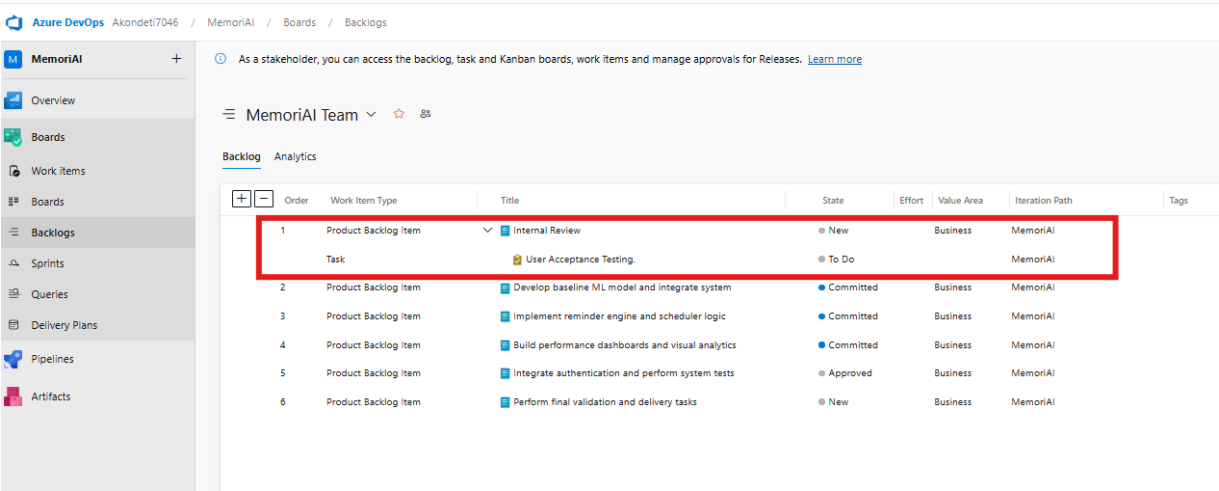
Figure 4 – Instructor-Approved Pull Request



3. QA & UAT Summary

Internal Review and User Acceptance Testing (UAT) tasks are defined within each feature in Azure DevOps. QA ensures precision  $\geq 0.85$ , recall  $\geq 0.9$ , and dashboard accuracy 100%.

Figure 5 – Internal Review & UAT Tasks in Azure DevOps



ID	Title	Assigned To	State	Area Path
86	UAT — Architecture Diagrams & Backlog Planning	Kumari Nikitha Singh	Done	MemoriAI
85	Internal Review — Architecture Diagrams & Backlog Planning	Kumari Nikitha Singh	Done	MemoriAI
83	Internal Review — Research, Tool Setup & Literature Review	Kumari Nikitha Singh	Done	MemoriAI
84	UAT — Research, Tool Setup & Literature Review	Kumari Nikitha Singh	Done	MemoriAI

ID	Title	Assigned To	State	Area Path
98	UAT — Final UAT & Delivery	Kumari Nikitha Singh	To Do	MemoriAI
97	Internal Review — Final UAT & Delivery	Kumari Nikitha Singh	In Progress	MemoriAI
96	UAT — Auth & RBAC Testing	Kumari Nikitha Singh	In Progress	MemoriAI
95	Internal Review — Auth & RBAC Testing	Kumari Nikitha Singh	In Progress	MemoriAI
94	UAT — Visualization & Metrics Dashboard	Kumari Nikitha Singh	To Do	MemoriAI
93	Internal Review — Visualization & Metrics Dashboard	Kumari Nikitha Singh	In Progress	MemoriAI
92	UAT — Scheduler & Reminder Engine	Kumari Nikitha Singh	In Progress	MemoriAI
91	Internal Review — Scheduler & Reminder Engine	Kumari Nikitha Singh	In Progress	MemoriAI
90	UAT — Initial ML Pipeline	Kumari Nikitha Singh	In Progress	MemoriAI
89	Internal Review — Initial ML Pipeline	Kumari Nikitha Singh	In Progress	MemoriAI
88	UAT — FastAPI & SQL Schema Setup	Kumari Nikitha Singh	In Progress	MemoriAI
87	Internal Review — FastAPI & SQL Schema Setup	Kumari Nikitha Singh	In Progress	MemoriAI
23	User Acceptance Testing	Unassigned	Removed	MemoriAI

## Appendix – Screenshots Summary

The following screenshots provide visual confirmation of configuration, backlog setup, and GitHub integration:

**Figure 1.** Azure DevOps Board Setup

**Figure 2.** Sprint Planning View

**Figure 3.** Repository Structure and README Overview

**Figure 4.** Instructor-Approved Pull Request

**Figure 5.** Internal Review & UAT Tasks in Azure DevOps

*(All screenshots were taken directly from the MemoriAI Azure DevOps and GitHub environments.)*