

AI Yamamah Community

A blog, news, and event platform for **AI Yamamah University**, enhanced with **YU AI** — an intelligent chatbot for university-related questions.

Built using **Django**, **Tailwind CSS**, and **OpenAI's API**, this project connects students, staff, and clubs in one smart digital community.

 Python 3.9+

 Django 4.2+

 Frontend TailwindCSS

 OpenAI Integration





Status Active Development

License MIT

Overview









AI Yamamah Community is a web platform designed for **AI Yamamah University** to bring together blogs, news, and events into one space — supported by an AI assistant named **YU AI**.

It aims to **empower communication** across the university by allowing users to:

- Publish and moderate **blogs** 
- Post and view **events and announcements** 
- Read the latest **university news** 
- Chat with **YU AI** for general university questions 

This project blends **technology**, **community**, and **AI** to create a more connected digital campus.

Features

-  **News Hub** — Post, edit, and view university updates
 -  **Event Management** — Manage and link related events and blogs
 -  **YU AI Assistant** — Answer general questions about AI Yamamah University
 -  **Blog System** — With moderation, descriptions, and author pages
 -  **Club Pages** — Connect posts and members to student clubs
 -  **Writer Profiles** — Simple author pages with social links
 -  **Dark Mode** — Optional dark/light theme toggle
 -  **Email System** — Moderator notifications and password resets
-

Getting Started

Dependencies

Make sure you have the following installed:

- Python **3.9+**
 - Django **4.2+**
 - Node.js (for Tailwind)
 - `django-tailwind`
 - `openai` (Python SDK)
 - A valid **OpenAI API Key**
-

Installation

1 Clone the Repository

```
git clone https://github.com/your-repo/Al-Yamamah-Community.git
cd Al-Yamamah-Community
```

2 Install Dependencies

```
pip install -r requirements.txt
```

3 Configure Environment Variables

Create a `.env` file in the project root:

```
SECRET_KEY="your_django_secret_key"
OPENAI_API_KEY="your_openai_api_key"
```

Running the Project

Start Django

```
python manage.py makemigrations
python manage.py migrate
python manage.py runserver
```

Run Tailwind (in a separate terminal)

```
python manage.py tailwind install
python manage.py tailwind start
```

Then open your browser at:

👉 <http://127.0.0.1:8000/>

🔧 Common Issues

Issue	Solution
Django not found	Ensure it's installed with <code>pip install django</code>
Tailwind not working	Run <code>python manage.py tailwind start</code> in another terminal
AI not responding	Verify your <code>OPENAI_API_KEY</code> is active in <code>.env</code>
Database errors	Run <code>python manage.py migrate</code> and try again

You can also use:

```
python manage.py check
```

to verify your Django setup.

📅 Project Roadmap — Personal Website

Last Updated: 2025/10/08

Current Version: `v1.0`

Status: Active Development 🚧

☑ Recent Fixes

- Fixed **blog UI bugs** on both the **Blog Page** and **Index Page**.

🎯 Version 1.1 — Foundation Build

Goal: Establish the website's base features, improve usability, and prepare for scalable community tools.

Duration: ~2 weeks

🔗 Core Improvements

🧑‍🔧 General Enhancements

- ☐ 🌙 Implement **Dark Mode** with theme persistence
 - ☐ 📚 Improve **AI Knowledge Base** with richer internal data
 - ☐ 🔗 Connect **AI Assistant** with live **news and events** APIs
 - ☐ 📅 Sync **News or blogs** and **Events** with mutual linking
 - ☐ 📅 **Rewrite the calendar** with a clean, interactive layout
 - ☐ 🔒 Add **blog moderation system** (hidden until approved)
 - ☐ ✉️ Integrate **email notifications** for moderators alerts + password reset
 - ☐ 🏷️ Add **description fields** to blogs and news (SEO & summaries)
 - ☐ 🔗 Allow **events to link** to related blogs or news items
-

🏠 Club Page

Goal: Introduce a structured page for campus clubs and members.

Tasks

- ☐ Create **Club Page** displaying club name, logo, and activities
 - ☐ Connect **blogs** authored by club members to their club page
 - ☐ Add **club membership roles** and social/contact links
-

✍️ Writer Page

Goal: Highlight contributors and their content.

Tasks

- ☐ Build **Writer Page** with profile (photo, name, short bio, social links)
 - ☐ Display **list of posts** for the writer
 - ☐ Connect **writer** to **club (if any)**
-

🌐 Version 1.2 — Community & AI Expansion (Planned)

Goal: Enhance interactivity, automation, and personalization.

Focus Areas

- ☐ Real-time **AI data updates** from blogs, news, and events
 - ☐ Add **user dashboard** for writers and club admins
 - ☐ Improve **moderation tools** and **admin analytics**
-

🔮 Future Vision

- **v1.3:** AI-assisted content review + public blog submissions
 - **v2.0:** Full-featured community hub with analytics, dashboards, and smart event management
-

Contributing

Pull requests are welcome!




If you'd like to contribute, please open an issue first to discuss proposed changes.

Tech Stack

- **Backend:** Django
 - **Frontend:** Tailwind CSS
 - **AI:** YU AI Chat
 - **Hosting:** PythonAnywhere
-

Author

Fayez Al-Qhatani

-  X (Twitter): [@Fayez_Alshwayya](#)
 -  Website: [fayezs.site](#)
 -  GitHub: [FKQ7](#)
-

Version History

Version	Date	Description
0.1	2025/10/08	Initial release — base website build

License

This project is licensed under the **MIT License**.

See the [LICENSE.md](#) file for details.

"Building a smarter, more connected university — one line of code at a time." 