

Al Yamamah Community

A blog, news, and event platform for **Al 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

Al Yamamah Community is a web platform designed for **Al 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 Al 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
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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**
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⚙️ 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: 2025/10/28

Current Version: v1.5

Status: Active Development 

- Make all the profile pictures user's profile picture.
- Contact page

☑ Recent Fixes

- Fixed **blog UI bugs** on both the **Blog Page** and **Index Page**.
- Added **author-only edit/delete** functionality for posts.
- Implemented **re-approval queue** for all post updates.

⌚ Version 1.5 — Foundation Build

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

Duration: ~2 weeks

Core Improvements

-  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
-  Added **Update & Delete** features for writers.
-  Posts are **hidden on update** and require re-approval.
- Render Deployment
- Description for better card layout
- Contact page

Club Page

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

Tasks

- Create **Club Page** displaying club name, logo, and activities
- Connect **blogs & news** authored by club members to their club page
- Add **club membership roles** and social/contact links
- Added **Header & Logo** fields for club customization.

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)**
- Added **Profile Picture & Header** fields for writers.
- Create a "My Posts" Page for Writers

🌐 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

TBD

🤝 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:** Open AI Chat
- **Hosting:** PythonAnywhere, Note: Latter it'll be hosted on render

"Build small. Iterate fast. Ship proudly."

💻 Author

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-  GitHub: [FKQ7](#)

Version History

Version	Date	Description
0.1	2025/10/08	Initial release — base website build
1.5	2025/10/08	...

License

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

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