TechTalk

Project Report

https://github.com/PalAsmita/TechTalk.git

Blazer IDs
Asmita Pal – apal
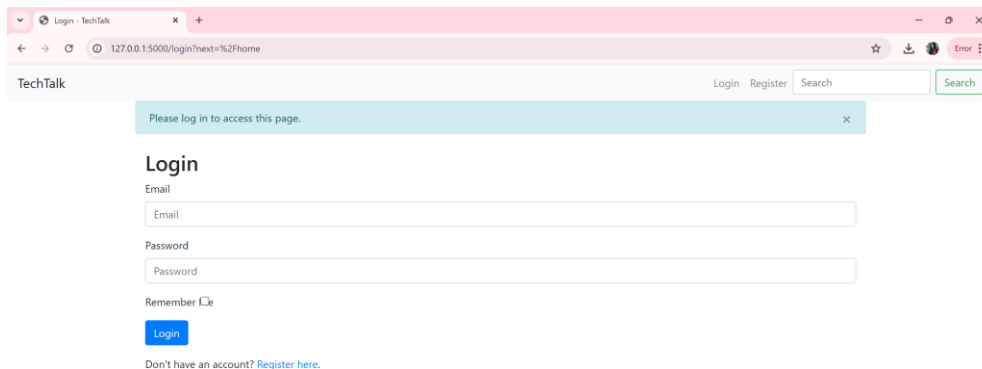Bhavya Bindu Arrpula – barrpula

Introduction:

The project involves creating a Flask application for checking password formats and managing user sign-ups and logins using an SQLite database.

Technologies:
- Flask: Used to create a web application framework for the password checker and user management system.
- SQLite: Employed as the database for storing user data.
- Visual Studio Code (VSCode): The integrated development environment (IDE) used for code editing and database management.
-Anaconda
- HTML and Bootstrap

Results:
Login

Register

Home

Update profile

sheldon

AI Developer

Update Your Profile

Username

sheldon

Email

sheldon@uab.edu

Bio

AI Developer

Update Profile Picture

Choose File | No file chosen

Update

Likes & Comments

TechTalk
Profile   New Post   Follow Requests   Groups   Logout   Search   Search

Home

Researchers leveraging AI to train (robotic) dogs to respond to their masters

An international collaboration seeks to innovate the future of how a mechanical man's best friend interacts with its owner, using a combination of AI and edge computing called edge intelligence. The overarching project goal is to make the dog come 'alive' by adapting wearable-based sensing devices that can detect physiological and emotional stimuli inherent to one's personality and traits, such as introversions, or transient states, including pain and comfort levels.

Posted by sheldon on 2024-08-02

Like

Likes: 1

Comments:

Add a comment

Comment

Positions available at UAB

Our lab is offering RA positions. Interested people may reach out to me.

Posted by sheldon on 2024-08-02

Like

Likes: 1

Comments:

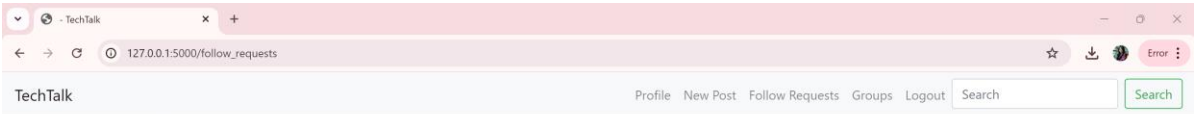**Jim:** I am interested.

Add a comment

Comment

Search

Does not follow

Follow request

After accepting request
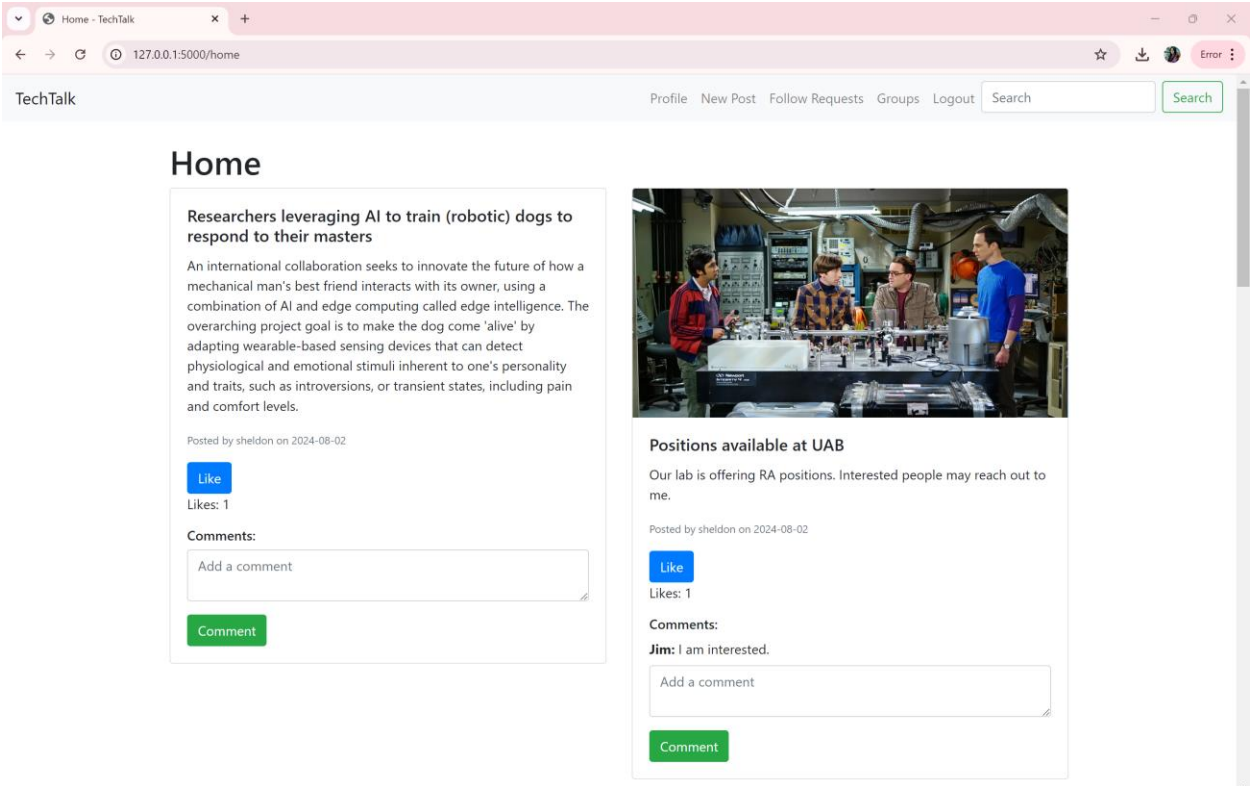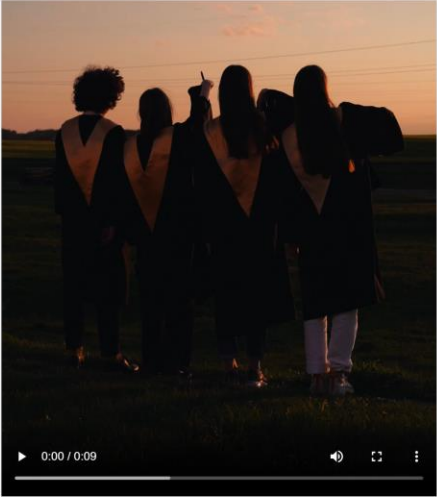
Images and video posts

Graduated

Graduated from UAB with Masters in Computer Science

Posted by Bhavya on 2024-08-01

Like

Likes: 1

Comments:

Asmita: Congratulations!!!

UAB

Started pursuing my masters in CS from UAB

Posted by Siva on 2024-08-01

Like

Likes: 2

Comments:

Asmita: Wishing you all the best!

Jim: Beautiful campus

Add a comment

Comment

List of all groups

TechTalk   Profile   New Post   Follow Requests   Groups   Logout   Search   Search

You must be a member of the group to view its details.   ✕

All Groups

Create New Group

UAB CS Students	Join
Birmingham IT	Join
AI New	Leave

Create new Group posts
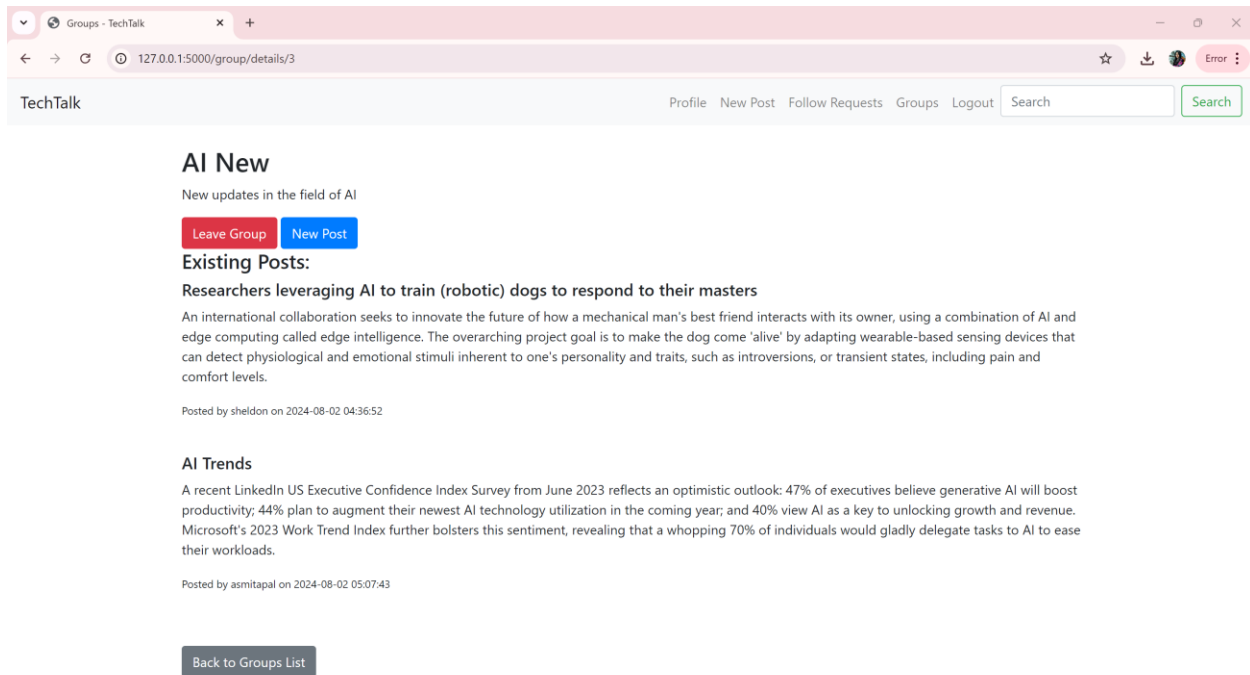
Features

- Flask Application:
- Implemented a password checker that verifies passwords meet specific criteria (uppercase letter, lowercase letter, a number, and minimum 6 characters long).
- Developed a user sign-up and login system with password validation and email uniqueness checks.
- Configured SQLite with Flask for database management.
- Users can create profiles, enter bio information, and upload profile pictures
- Users can search and find other accounts using a search feature.
- Users can send follow requests to other users and can accept or decline follow requests.
- Users can share posts that can include text, images, and videos. Posts should be visible to the followers of the user who posted them.
- Followers can like posts. Followers can comment on posts. The number of likes and comments should be visible on each post.
- Users can create groups related to specific topics or interests. Users can join existing groups. Users can share posts within the groups they are part of. Posts shared in groups should be visible to all group members.

Discussions:

The project faced some challenges, when the database got deleted accidentally but the data was still stored. So, it was unable to run as the migration folder did not have the correct files and the .env file was corrupted. Finally, we had to create a new_database. Also, migrating any changes to the database. We also faced an issue with the follow button. If someone requested to follow, once the requested was accepted, one person was following the other person, but the second person was unable to see any posts from them, and it didn't say they followed them. Other important aspects were ensuring the correct extension installation, handling file permissions, and dealing with potential file locking or corruption. These issues were addressed by verifying the installation of the SQLite extension, checking file paths and permissions, and ensuring the database was not in use by other applications.

References:

- Flask Documentation: https://flask.palletsprojects.com/
- SQLite Documentation: https://sqlite.org/docs.html
- React Documentation: https://reactjs.org/docs/getting-started.html
- DB Browser for SQLite: https://sqlitebrowser.org/
- https://www.youtube.com/watch?v=dam0GPOAvVI
- https://www.youtube.com/watch?v=YRCOc-pZwR8
- https://gitlab.com/alexfullam/social-media-clone-1
- https://teamtreehouse.com/community/build-a-social-network-with-flask-9
- https://www.w3schools.com/howto/howto_css_login_form.asp
-
https://www.youtube.com/watch?v=VeOhsHkMaKQ&list=PLY3j36HMSHNWaKUC73RJlwi6oU-WTpTPM
- https://www.youtube.com/watch?v=-FWuNnCe73g&list=PLHc4Ur2ceUeSPX_vhQZON6zTVE-0qrKrE&index=3