

SHARENEST

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ABSTRACT

ShareNest is a platform designed to allow B.Tech students to showcase their projects and link them to their business or job profiles. It provides a space for students to securely share their flat projects and book accommodations. This helps students demonstrate their skills and experience to potential employers. The platform uses modern web technologies to ensure a seamless user experience.

INTRODUCTION

What is ShareNest? An interactive and user-friendly web platform

- designed specifically for our college community.

A centralized hub for students to upload, share, discover, and rate

- academic projects across various subjects.

Why ShareNest? To foster collaboration among students.

- To encourage innovation and creativity.

- To create a valuable repository of knowledge accessible to current and

- future students.

EXISTING METHODS

Current Challenges:Lack of a Centralized Platform:

- Projects are scattered across personal drives, emails, and various online locations.

Limited Collaboration: Difficult to find and connect with

- students working on similar projects.

Knowledge Silos: Valuable project insights are not easily

- accessible to others.

No Formalized Feedback System: Limited opportunities

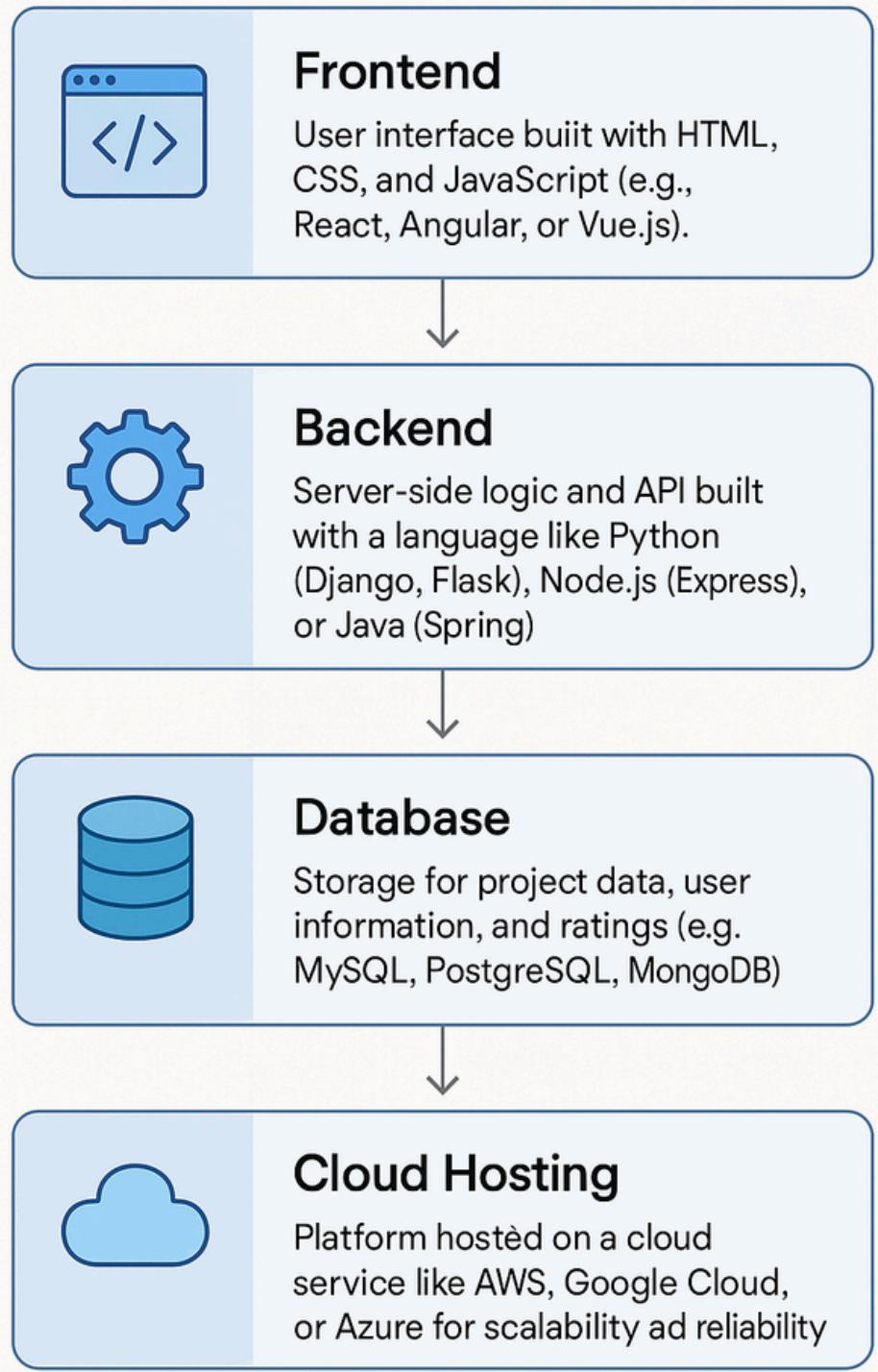
- for peer review and constructive criticism.

PROPOSED METHOD

- ShareNest: The Solution A dedicated web platform to address the challenges of project sharing and collaboration.
 - Key Features: Project Upload and Sharing: Easy-to-use interface for submitting and sharing projects.
 - Subject-Based Categorization: Projects organized by subject and course for easy browsing.
 - Rating and Review System: Students can rate and provide feedback on projects.
 - Collaboration Tools: Integrated features for connecting with other students and forming project teams.
 - Search Functionality: Robust search capabilities to quickly find relevant projects.
 - User Profiles: Showcase your projects and skills to the community.

ARCHITECTURE

High-Level System Architecture



MODULES

- User Management:Registration, login, profile, authentication, roles.
- Project Management:Upload, categorize, list, detail, edit, delete projects.
- Rating & Review:Submit ratings, comments, moderation.
- Search:Keyword, advanced, and user search.
- Admin Modules:Category management, reporting.
- Future Modules:Collaboration tools, notifications.

User Management

User Management

Registration & Login

- Secure signup/login with email verification or OAuth (Google/GitHub)
- Password hashing and recovery options



User Profiles

- Editable user profile with image, bio, contact details
- Dashboard for user's projects, activity, and ratings



Roles

- Basic roles: Admin, Contributor, Viewer
- Role-based access to features like editing or delete projects



Project Management

Project Management

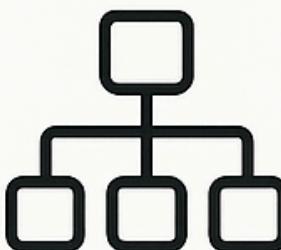
Project Upload

- Upload project files or provide GitHub/drive links
- Add description, tags, visibility (public/private)



Categorization

- Classify projects by domain (e.g. AI, Web, IoT)
- Detailed project description, media, and contributors



Edit & Delete

- Project owner or admin can update or remove a project



Rating & Review System

Rating & Review System

Submit Ratings

- Star rating (1–5) or thumbs up/down system
- Averages shown on project listing



Comments

- Add textual reviews with markdown support
- Show user info and timestamps for each comment



Engagement

- Helpful votes or replies on comments to enhance discussion



Search Capabilities

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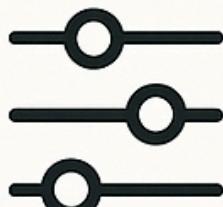
Keyword Search

- Project title, tags, and descriptions indexed
- Instant suggestions as you type



Advanced Filters

- Find contributors by name, email, or expertise
- View their projects and reviews from profile



User Search

- Find contributors by name, email, or expertise

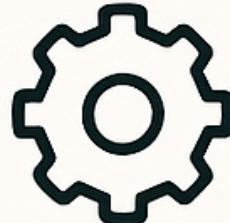


Admin & Future Modules

Admin & Future Modules

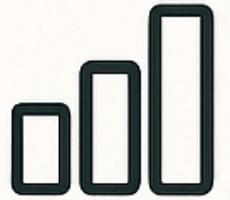
Admin Tools

- Manage users, project categories, and flagged content
- Access logs and dashboard analytics



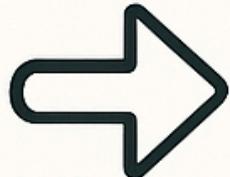
Category Management

- Add/edit/delete categories or tags
- Set featured categories for home page



Future Plans

- Collaboration Tools
Shared editing, team roles, messaging
- Notifications
Real-time alerts, email reminders, project updates



HARDWARE AND SOFTWARE REQUIREMENTS

Hardware Requirements (Server): Sufficient processing power (e.g., multi-core CPU).
Adequate RAM (e.g., 8GB or more).

Sufficient storage space for project files and database (e.g., 100GB+).

Software Requirements: Operating System: Linux (Ubuntu, CentOS) or Windows Server
Web Server: Nginx or Apache

Programming Languages: Python, JavaScript, HTML, CSS

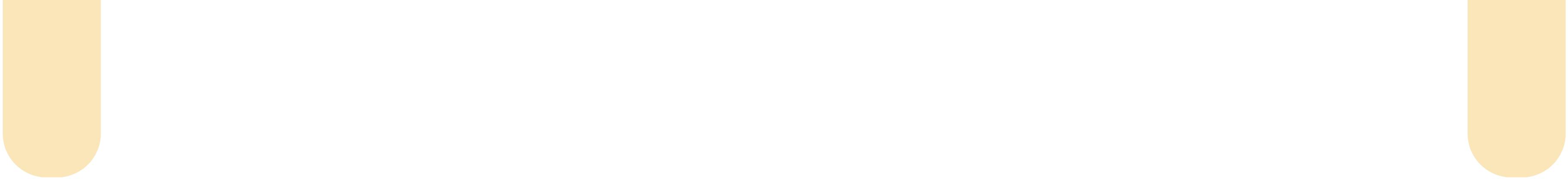
Frameworks: Django/Flask (Python), React/Angular/Vue.js (JavaScript)

Database: MySQL, PostgreSQL, MongoDB

Development Tools: IDE (VS Code, PyCharm), Git for version control

CONCLUSION

ShareNest provides an innovative solution for B.Tech students to share their projects and enhance their professional profiles. By utilizing the latest web technologies and focusing on user experience, ShareNest aims to bridge the gap between academic projects and professional opportunities. The platform promises to deliver a high-performance technology that fosters innovation and impact.



THANK YOU

