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UNDERGRADUATE OF COMPUTER ENGINEERING

Shishir Bastola

As an undergraduate Computer Engineering student, I bring a strong foundation in programming languages, with a focus on Python for its versatility in deep learning and data science applications. Proficient in Python and C++, I have successfully completed coursework in computer architecture, algorithms, and data structures.

My academic journey is includes hands-on projects, notably in content-based filtering using tools such as scikit-learn. These experiences have honed my problem-solving skills and ability to work collaboratively within a team

SKILLS

- Django framework - Experienced
- Programming Python, C, C++ - Skillful
- figma - Skillful
- rest framework - Beginner
- Flutter - Novice
- React JS - Novice
- cluster and classification - Novice
- Data Visualization - Novice
- Nginx, Azure, AWS S3 - Novice

EXPERIENCE

Currently, no formal work experience. However, I have gained valuable practical skills through independent projects.

EDUCATION

Bachelor in Computer Engineering

Advanced Collage of Engineering and Managemnet / Kathmandu / August, 2019 - Present

Computer Engineering Fundamentals, Computational Algorithms, Software and Hardware Engineering.

PROJECTS

Blogging webpage

Designed and implemented a dynamic blogging website using Python's Django framework. Key contributions include:

- **User Authentication System:**Developed a secure user authentication system with login, register, and forget password features using Django's authentication system.

- **Email Verification System:**Implemented email verification using Django to enhance account security and validate user identities.

- **Email Notification System:**Integrated an email notification system utilizing Django's email capabilities to keep users informed about activities and updates.

- **Comment System:**Created a dynamic comment system within the Django framework to foster user engagement and facilitate discussions on blog posts.

- **Blogging History:**Implemented a blogging history feature using Django models, allowing users to track and revisit their past posts for an enhanced user experience.

- **Showcase Functionality:**Designed and implemented a showcase feature using HTML, CSS, and Materialize to highlight select blog posts, promoting featured content for increased visibility.

- **Responsive Design:**Ensured a seamless user experience with a responsive design, optimizing performance across various devices.

- **Technology Stack:**Utilized a technology stack that included HTML, CSS, Materialize for styling, and Auth0 for additional authentication functionalities, in addition to Django for the backend.

https://github.com/Shishir8957/thesecretvaleyjournal

Vadagadi

"Vadagadi" a comprehensive vehicle recommendation platform leveraging Django. Key features include:

- **Recommendation Systems:**Implemented content-based and collaborative filtering algorithms to provide personalized vehicle recommendations based on user preferences.

- **User Authentication System:**Integrated a robust user authentication system using Django to ensure secure and personalized user experiences.

- **Order History:**Developed an order history feature, allowing users to track their previous vehicle selections for an enhanced browsing experience.

- **Filtering Options:**Incorporated advanced filtering options, enabling users to refine search results based on categories, such as cars and bikes, as well as other criteria.

- **Price Filtering:**Implemented a dynamic price filtering system to assist users in finding vehicles within their specified budget.

- **Contact Us via Mail:**Included a "Contact Us" feature, allowing users to reach out via email for inquiries and feedback.

- **Technology Stack:**Built on Django framework, utilizing content-based and collaborative filtering techniques. The project also incorporates a user authentication system and features HTML, CSS, and other technologies to enhance the user interface.

https://github.com/Shishir8957/vadagadi

Noteapp

Developed a feature-rich note-taking application utilizing Django for the backend and React for the frontend. This interactive app includes functionalities such as note creation, editing, deletion, and a note counter, providing users with a dynamic and intuitive platform for efficient note management.

https://github.com/Shishir8957/django-react-noteapp