Nitesh Raya

Ilam, Nepal |P: 9841160687 | nitesh.raya058@gmail.com

Encapsulation

Software Engineer with a fresh perspective from a rigorous Computer Science program, bringing 2.5+ years of intensive experience in full-stack development with python, JavaScript and Django. Highly capable of solving problems with rich knowledge in Data Structure and Algorithm. Capable in writing backend, RESTful APIs along with wiring it with DOCKER. Keen to learn and improve myself with staying up-to-date with latest technologies.

Skills

- **Languages:**   Python, Java, JavaScript SQL, Bash, ZSH
- **Framework:**   Django, Flask, Bootstrap
- **Tools:**   Docker, GIT, PostgreSQL, MySQL, Redis
- **Others:**   Teamwork, Communication, Time Management

Activities

IIC (Itahari International College) | Hackathon   Jun 12, 2024 – Jun 14, 2024
Backend Developer
- Developed and implement a system to cope with "Mental Health and Well-Being of Students".
- Designed UI with Canva, with the features for "Precautionary Measures | Preliminary Stage Support | Post Stage Support.

Workshop   Aug 4, 2024 – Aug 11, 2024
Tutor Assistant
- Actively assisted to teach basic web development (html, css, js).
- Helped me shape my communication skill along with the explanation of the topic I understand.

Projects

- **Biruwa Care:** A web Application that uses an AI model (Machine Learning Model) to detect the disease of the plant and shows the information and solution of the disease.
  Github

  - Trained my Machine Learning Model with open source Kaggle dataset with more than 80k healthy and infected plant images using python libraries like TensorFlow, NumPy which is implemented using CNN concept.
  - Integrated my model with Django to give the output in a readable and easy to consume information.
  - A location-based weather provider where user can easy give access to their location for the accurate data or can select any region from the google map.

- In addition to the PostgreSQL another complex database PostGIS is used for storage of latitude and longitude of the user.
- Everything is production ready as it is fully developed in Docker environment.
- **Ecommerce with Khalti:** An ecommerce website made with django and khalti payment integration.
  [Github](#)
    - Wrote advance models to design complex database for storing products, users, categories etc.
    - Consumed bootstrap to rapidly develop front-end of the project along with custom css , fonts and icons(fonts awesome).
    - Designed a full flex user login with google and other social accounts with all the necessary features for a good ecommerce experience.
    - Sqlite3 database is used to store the data with complex search and filter functionalities.
- **Mero Blogs:** A personal hobby project where I plan to write my blogs about tech and non-tech things.
  [Github](#)
    - A secure authentication with all the required securities measures functionality.
    - Implemented rich text editor (CK-Editor) to write posts.
    - Like and follow the author function to make liked posts and users manageable and for recommendation of the post.
- **Flash-card:** Inspired from the Anki project (A flash card app) I tried to build my own custom flash card system which is used to learn and remember things for anything.
  [Github](#)
    - A simple yet clean and beautiful web app with simple functionality to create, delete and update the cards.
    - Added social login for convenient authentication system.
    - Deployed the project on Vercel and ElephantSQL for database.

I have created many projects over the course of time in the journey of learning Django and python which is not listed here which is on my GitHub. I also have very good knowledge of Data Structure and Algorithm and I try to write my own tests all the time.

Education

Damak Multiple Campus| Damak, Jhapa	**2021– Present**
Bachelor's Degree in BCA	
Adarsha | Ilam, Nepal	**2018– 2020**
+2	
Samata School | Ilam, Nepal	**2016– 2018**
SEE	*2017– 2018*
9	*2016 - 2017*