Sandesh Koirala

(682)218-2973 | jobs@koiralasandesh.me | https://www.linkedin.com/in/koiralasandesh/

EDUCATION

Honors Bachelor of Science in Computer Science   AUG 2017 – MAY 2021
The University of Texas at Arlington
Magna Cum Laude, GPA: 3.677

SKILLS

PROGRAMMING LANGUAGE	Objective(C++ and Java) , C, Python
LIBRARIES/FRAMEWORKS	React.js, React Native, Node.js, Express.js, npm, Nginx, Flask APIs, REST APIs
SCRIPTING LANGUAGES	HTML, CSS, JavaScript, PHP
DATABASE	MongoDB, MariaDB, MySQL, SQLite
IASS/PASS	Amazon Web Services (AWS), Microsoft Azure, Heroku
CI/CD	Travis CI, Jenkins, Circle CI
TOOLS	Bash, Git, Wireshark, GitHub

PROJECTS

e-school (Ongoing)**|** MongoDB | Express.JS | React.JS | Node.JS | REST API
- Building an online **Learning Management** System using **MERN Stack.**
- Designing and building Front End with **React.js** which queries the back end using **REST API**.
- Deploying **Express Server** to serve the front end and **MongoDB** as Database.

Mavs Abroad | Cross-Platform Smartphone App | Expo | React Native | Google Firebase | Typescript
- Designed and Developed a **cross-platform travel app** for 45+ UTA Students enrolled in Study Abroad Program.
- Used **React Native** for UI and Integrated **NoSQL Database** in **Google Firebase** as a backend.

identiDoc | Machine Learning | HTML | CSS | JS | Flask API | Python | scikit-learn
- Built an **Automatic Document Classification** Model using **Machine Learning** in a **DevOps** Environment using **CI/CD pipeline.**
- Predicted Document Class from 1000+ Data Points with Logistic Regression to 96% overall Recall.
- Integrated and Deployed the Backend as a **DigitalOcean** Droplet.

Coviddata | Web Application | DBMS | HTML | CSS | PHP | MySQL
- Designed and deployed a **MySQL Database** containing COVID patient Information of several States.
- Created a web application with **HTML, CSS and PHP** to display Covid Data from the Database based on certain query parameters.

LEADERSHIP EXPERIENCE

PEER ACADEMIC LEADER | THE UNIVERSITY OF TEXAS AT ARLINGTON   Aug 2019 – May 2020
- Held a weekly two-hours Academic Advising session for 150+ students.
- Designed course syllabus and schedules for 30+ students
- Coordinated Hourly Class every week for 27 students.

TEACHING ASSISTANT | THE UNIVERSITY OF TEXAS AT ARLINGTON   Aug 2019 – Dec 2020
- Organized office hour to assist 150+ students regarding course materials.
- Formulated Test Materials to understand the effectiveness of the syllabus in students' academic success.