

BDM 1034 - Application Design for Big Data

Lab1

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Here are the list of the projects/experience I have worked in my past along with the tools, language, descriptions, and achievements.

Devops Engineer for Tender management Web Application (January 2021 - August 2021) <https://react.tenderbuild.com.au/>

[Web Application to manage Construction project starting from tender to all the way to payments]

Role: Devops Engineer, Backend Developer

Tools: Jira, Miro, Pm2, AWS ec2, Nodejs, MongoDB, Postman, Git

Responsibilities:

- Build, deploy and maintain production infrastructure and services
- Deploy updates and fixes
- Monitoring, troubleshooting and capacity planning of cloud platforms
- Implement automation tools and frameworks (CI/CD pipelines)
- Develop/maintain processes, tools, and documentation

Data Engineer for Nepal Railway Recruit

<http://www.dorw.gov.np/>

[Railway Recruit was the project designed to hire the manpower required to operate the railway by Government of Nepal]

Role: Data Engineer

Tools: SQL, Python, Git

Responsibilities:

- Validate the application data using SQL and python
- Validation would mostly rely on the presence and absence of required document their readability
- Prepare the data of the applicants who have submitted all the relevant documents and uploaded the payment slip.

Django/Flask Developer for Hotel Booking Application

<https://gobuddygoo.com/>

Roles: Django/Flask Developer

Tools: Django, Flask, SQL, Aapanel, Heroku, Mongo, Apache Airflow, Postman, Git

Responsibilities

- Database Design and Development
- User Interface Development
- API Testing and Development
- Versioning and Update Release

Database And API developer for National COVID APP

<https://covid19.mohp.gov.np/>

[Hamro Swasthya is an official news web and mobile application portal designed and developed during global pandemic COVID-19]

Tools: SQL, Draw.io, PhpMyAdmin, Django, Postman, Git

Responsibilities:

- Entity relationship modeling
- Design Database to reflect the user interface
- Updates and changes in Database
- API Testing and development

Database and API developer for National news site

<https://gorkhapatraonline.com/>

[Gorkhapatra is the national news site owned and regulated by government of Nepal]

Role: Database and API developer

Tools: SQL, Draw.io, phpMyAdmin, Laravel, Postman, Git

Responsibilities:

- Entity relationship modeling
- Design Database to reflect the user interface
- Updates and changes in Database
- API Testing and development

Achievements

Jury Mention ICT AWARD (2020)

This award was granted to Hamro Swasthya (official Covid 19 App by Ministry of health and population). Hamro Swasthya is a crisis management web and mobile portal to disseminate information regarding the Covid -19 victims.

Contribution: Database Design and Maintenance.

The FR. Charles A law S.J. Memorial Award (2018) St. Xavier's College
Maitighar

For Excellence in Social and Environmental Responsibility.