

HEM RAJ PANDEY

FULLSTACK DEVELOPER

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INTRODEUCTION

I am Geomatics Engineering student studies at IOE, Pashchimanchal Campus, Pokhara. I am Web developer, Django developer. I have developed more than six webgis webapps using Django as backend.

WORK EXPERIENCE

Vice-president

GESAN

8/2021-7/2022

Pokhara, Nepal

<http://www.ioegesan.org/>

Achievements/tasks

- volunteered the programs, trainings, spatial meets, etc.
- Designed the geoworld volume-v magazine

PROJECTS

✓ Flood EWS (RPD Project)

- It is the IoT project for Rapid Prototype Development Challenge 2022
- We used Sony Spresense microprocessor and Qzss satellite positioning
- webapp provides real time flood information in webgis form
- uses geospatial analyses to track your real time location and suggests you safe Zones.

https://github.com/HEM2058/Flood_EWS_RPD_2022

✓ Tourist Spot webapp

- webapp like google map with additional features such as tourists can contact local guider through the app.

https://github.com/HEM2058/TourismSpot_webapp

✓ Doctor finder webapp

- Doctor can register on app so that their information will be visible on map.
- Anyone can navigate with doctors and contact with them.

https://github.com/HEM2058/Doctor_finder_webapp

✓ Geospatial data visualization webapp

✓ Center for Space Science and Geomatics studies Webapp

✓ Real time Location Tracking Webapp

✓ Job portal Webapp

✓ Leaflet Draw

EDUCATION

Bachelor in Geomatics Engineering

Tribhuvan University IOE, Pashchimanchal
12/2019-Present

KEY SKILLS

- PYTHON
- DJANGO
- JAVASCRIPT
- POSTGRESQL
- POSTGIS
- LEAFLETJS
- TURFJS
- JQUERY
- GEOSERVER
- ARCGIS
- QGIS
- OSM TOOLS
- GEE
- GOOGLE EARTH PRO
- ADOBE PHOTOSHOP
- ADOBE ILLUSTRATOR
- ADOBE INDESIGN

