

Pravesh Gaire

Github: github.com/gairepravesh

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“ Final year Electronics and Communication Engineering student at IOE Pulchowk Campus interested in Cyber Security and related fields. Looking for internship opportunities where I can apply and brush my problem solving skills and contribute to the cyber community.

Education

Bachelors in Electronics and Communication Engineering

IOE Pulchowk Campus

Expected at December, 2020

Higher Secondary Education

Oxford Higher Secondary School

Aggregate: 79.6 % (Aug 2016)

Experience

Student and CTF player

Gajabaar - gajabaar.io

Jan, 2020 – Present

Intern

A collaborative research project of Duke University & IOE Pulchowk Campus on Earthquake Early Warning System, EEWS

Skills

Programming Languages:

Python, C, C++, Javascript, Php, Rust

Database:

MySQL, Firebase

Tools / Frameworks:

Git, Flask, Django, Vue, JQuery, Flutter, Firebase, pwn, openGL

Pentesting Tools:

Metasploit, Burpsuite, Wireshark and other common enumeration, discovery, fuzzing, steg., exploitation and cracking tools used in CTF's

General:

Linux, Bash, Latex, Web Scraping, OSINT

Projects

Push Bots – Swarm Intelligence (Minor)

- Bluetooth master / slave communication
- Arudio, line follower

- A* Algorithm for shortest path finder
- Two robots working together to transfer loads across grid maps controlled by mobile app

Island Simulation (Graphics Project)

- Procedural terrain generation using different Perlin noise based algorithm
- Water simulation
- Atmospheric Light Scattering
- Sun-set and sun-rise
- Real-time rendering values modification using a GUI to change the way scene is modeled.

Magic Mirror

- Interactive AVS integrated mirror with latest news, weather, quotes etc ...
- Raspberry pi, AVS, electron
- LOCUS 2019

IRIS

- Assistive technology for physically handicapped to use computer with face gaze
- Special keyboard, mouse cursor movement using eye gaze demonstrated playing fruit ninja
- AT Hackathon 2017, Thapathali Campus

Miscellaneous:

- Plotter – Robot that plots 2D mapping of objects
- Brick Breaker – Classic Arkanoid in C
- Chat App – Socket Messenger in C++
- Jarvis – speech based commands
- Line Follower
- Mouse - Maze Solver

Community

- **TryHackme** – [0xC] Guru
- **Gajabaar** – CTF player
- **Pulchowk Campus InfoSec Enthusiasts** – Admin
- **LOCUS 2020** – Flashmob Co-ordinator
- **Mozilla Campus Club** – Secretary

Participants

CTFS:

- HacktivityCon 2020
- NahamCon 2020
- CSAW 2020 Qualifiers

Hackathons:

- Everest Hack
- Yomari Code Camp
- Hack-A-Week
- AT Hackathon