SHRADDHA BHUJU

CONTACTS

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SKILLS

Programming:
Javascript
C
C++
Python
C#
PHP

Softwares:
Blender
Unity

INTERESTS

Animation and 3D modelling
Augmented reality/Virtual reality
Computer Graphics
Web Development
Blockchain
Machine Learning and Artificial Intelligence

EDUCATION

Bachelor in Computer Engineering   **(November 2017- September 2021)**
Kathford International College,Tribhuvan University, Nepal

EXPERIENCE

Executive Member   **(April 2018-PRESENT)**
KathFOSS, Kathford International College

- Trained secondary level students on basic electronics and Arduino UNO and building remote controlled and automatic robots, and taught use of electronic components, simple automation principles involved. Instructed programming Arduino using IDE, and mentored teams.
- Assisted organizing Kathfest 2018, an annual festival with pre-events (R data science training, blockchain training, cansat training, 3D modelling training) and events (software competition, hardware competitions, automatic akhada, drone competition). Assisted with writing proposals to these events,volunteering in the events, and even participating in some of the events.
- Taught 1st year students game programming in C. The students were taught the basics of programming and were then introduced to graphics.h header file of C. Using the functions of the graphic header file the students were able to draw shapes on the screen. By using basic programming knowledge and graphics header file students were able to make simple games like snake game, bouncing ball, tictactoe

PROJECTS

BOOKSTOP   **(October 2019)**
Project under Women Leaders in Technology(WLiT) in a team of three

- Developed a web application where individuals sell and exchange their pre-owned books, using Express.js and MongoDB for database
- Worked with the database and backend parts of the project
- Made a CRUD application for posting books for sale and exchange, worked with filtering data from the database for displaying books information for the exchange book category.

PARTICIPATION

Localization of Mozilla Firefox
(January 2019)

Mozilla Nepal

EVOLVE 4.0() (1st Position)
(July 2019)

KathFOSS and RoboKath

EVOLVE 3.0()
(July 2018)

KathFOSS and RoboKath

HEX
(July 2018)

Himalayan College of Engineering

Kathfest
(January 2019)

KathFOSS and RoboKath

LANGUAGES

English
Nepali

REFERENCES

Nishla Shakya|*Technical Training Lead, and Board Secretary, Women Leaders in Technology(WLiT)*
nishlashakya@wlit.org.np|+9779843822876

Prabin Kumar Jha|*Deputy Head of Computer Department, Kathford International College*
Er.prabin@kathford.edu.np|+9779805954520

Dinofeast   **(July 2019)**
Evolve 4.0(), KathFOSS,Kathford International College

- An open world, action adventure 3D game, score-based game, made with Unity, where a player maintains a strategic distance from bigger non player characters and eats other little non-player characters to expand their size
- Modelled the world for the game by modelling the player's 3D model in Blender and also using packages from unity store for creating an environment with grasses and terrains
- Programmed the animation of the players, so that the player character's legs would animate a walk cycle when the player uses the keys to move it and when the players approach a non-player character, their head would descend a little to show that player ate a non player character.

TRAININGS

WLiT Fellowship 2019/20   **(October 2019 - July 2020)**
Women Leaders in Technology (WLiT)

- Annual nine month fellowship awarded to select 15 female students in technology in Nepal
- Received two weeks training on JavaScript (Node.js, Express.js) followed by a project in a team of three.
- Received leadership training including teamwork, time management, public speaking from the facilitators and mentors.

Blockchain Training   **(January 2019)**
Kathfest,Kathford International College

- Learned to build a blockchain application using Truffle, Ganache, Smart contracts and MetaMask
- Built a voting system where the accounts connected to the network were able to vote for the two candidates in the election
- Learned how to set up a local blockchain using GanacheUsed MetaMask to interact with local blockchain.

SEO   **(December 2017)**
Elance Digital Media

- Studied about including effective keywords for better google ranking of commercial websites
- Learned how to write content that brings that traffic to the website by using various SEO tools
- Learned about starting and maintaining a successful blog