

Simant Shrestha

Btech IT Graduate

Computer Engineer with a lot of enthusiasm to learn new skills and meet new people. I am self motivated and hardworking student who seeks a challenging opportunity to prove myself.

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📍 Surkhet, Nepal

🌐 github.com/simantstha

EDUCATION

Under Graduation

Vit University, Vellore, TN, India

07/2016 - 07/2020

9.06/10 CGPA

Courses

- B.Tech Information Technology

Higher Secondary Education

St. Xavier's College, Kathmandu, Nepal

05/2013 - 11/2015

3/5 GPA

Courses

- A-Levels Science with Physics, Chemistry, Math, Biology and Computer

WORK EXPERIENCE

Research Assistant

Rochester Institute Of Technology

01/2020 - 05/2020

Rochester, NY, USA

Achievements/Tasks

- Research assistant to Dr. Yangming Li for the project Omni-directional mobile robot design and implementation for eldercare using 4WD Omnidirectional Mobile platform coded in Arduino and C++.

Contact: Dr. Yangming Li - Yangming.Li@rit.edu

Internship

Nepal Telecom

05/2018 - 06/2018

Kathmandu, Nepal

Achievements/Tasks

- Real-Time application of Networking Techniques

Contact: Er. Saligram Parajuli - +9779851020000

ACHIEVEMENTS

Merit Scholarship for Academic Performance (2017 – 2018)

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Attended Workshop on Cyber Security and Ethical Hacking (2017)

Rank Holder in Secondary School (2013)

SKILLS

Java

C & C++

Python

Matlab

Data Structures

Android Development

Raspberry Pi

Database

Open CV

PERSONAL PROJECTS

Ice Cream Parlour Management System

Point of sale web system developed using HTML, CSS, JavaScript on the front end and MySql for the backend. For the connection of front and backend PHP was used.

Iris Controlled Smart Robot

Image Processing techniques were used to determine the position of iris of the eye which was fed to the raspberry pi which controlled the four wheeled, sensors equipped (Ultrasonic, infrared) robot.

Omni-directional mobile robot design and implementation for eldercare

Development of 4WD Omnidirectional mobile platform which can travel in any direction with minimum turn radius. With use of Nexus Duino and use of Motor Wheel class the platform was able to move. Designed the UI for manual operation for platform using QT. It was also made wireless by using Raspberry Pi where data was sent from the computer and received by raspberry pi where it forwarded to the mobile platform.

Analysis Of Road Accidents by Data Mining Techniques

Analyzed the data set downloaded from Kaggle where I applied various algorithms like Multiple Regression, K- Means, Random Forest, Fp Growth all based on python.

IOT based GPS tracking App

Made an android app that fetches latitude and longitude from firebase database and displays in the app by using google APIs. Raspberry pi and GPS module were used to send the data to cloud.

LANGUAGES

Nepali

Native or Bilingual Proficiency

English

Full Professional Proficiency

Hindi

Professional Working Proficiency

INTERESTS

Cricket

Football

Music

Programming

Travelling

Tv Series

Data Mining