KIRAN MAHARJAN

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Technical Skills and Expertise:

Languages:	Core Java, Spring, Hibernate, JDBC, Design Pattern, MVC, JSP, Servlet
Web Application Framework	Laravel, CakePhP, Spring framework
Databases worked on:	RDBMS- MySQL
Web Technologies	HTML, CSS, JavaScript, Php (Laravel),
Development Tools	Netbeans, Android Studio, Microsoft Visual Studio, Dreamweaver, Qt, GIT, Anaconda, Tensorflow, Scikit-learn
Operating System	Windows, Kali Linux, Matlab

Project Handled:

- **Autonomous Vehicle using Machine Learning and Image Processing (*python*)**
  - This vehicle takes image of road lane and can navigate to left and right accordingly as it is trained.
  -It can recognize traffic signs (go straight, turn sides, traffic lights)
  -It can detect any obstacle and avoid them. *https://youtu.be/DmVCH_2Wguo*

- **Projects on JAVA**
  - Text Chat using terminals and simple UI
  - Using JDBC to manage account and login authentication system
  - Calculator, user alert system, file management system
  -Android application: Responsive page handling, Bluetooth control car

- **Industry protection using GSM module**
  -This project detects any industrial hazards like abnormal increase in

industrial temperature, failure of electrical machines, overloading of currents and others danger situation
-these dangerous situations are alerted to the respective in charged person though mobile.
-use of AT commands for cellular communication and GSM module, Atmel Studio
- PCB design and design of protection circuits, PCB programming and Arduino Programming

☐ **Chat Box– C++ Project**
- using local host as a server, this project allows user to text communicate between two computers listening in same port number. It was tested in terminal prompt and later developed in simple UI.
- using C++, TCP Socket programming on QT Creator

☐ **3D room – Computer Graphics Project**
- 3D Room with room environment (lights, walls, boxes, flags) where user can navigate from room to room using 3rd perspective camera.
-with the control of arrows in keyboard user can walk to the rooms
- made on JAVA using OpenGL and LWJGL.

☐ **Laboratory Record Management System project**
-Data obtain from physics lab entered for easy scientific calculation and graph plotting
-use of table for data storage and table presentation
- use of C- Programming Language

Robotics, Training, Event and other projects:

-Protector game and Kisan application (Yomari code camp), Learning Management System (Samsung Code Camp)

-Bluetooth controlled android car, LCD interfaced SMS system, GSM based industry protection system

-GPIB-to-USB data convertor device, Remote Control Bulb (hardware project) and Clock timer, PCB design, Circuit Design   link

Achievement and Awards:

☐ Education Award-2066 from Sampurna School, awarded by Namuna Machindra High School

☐ Top 3 Best Idea in Tourism and Hospitality, Nepal Nirman 2073: Idea Challenge

☐ 2nd position in Intra College Basketball Tournament, CPS College

Training and Workshops Attended:

- *Java training Course* from Pagoda labs, Sanepa, Lalitpur

- Aptech Computer Education course on Web Designing (Computer Fundamentals, Access 2000, HTML, Frontpage 2000, Client Side Scripting with Javascript, C Fundamentals With Programming Techniques)

- Windows 8 App Dev Camp Trainer (.net) at IOE, Pulchowk Engineering Campus by Microsoft Innovation Centre Nepal ,Kathmandu,Nepal-2014

- Hardware Competition, 11th National Technological Festival, Locus 2014

- Hack-a-week, Locus 2016

- Codejam, Locus 2016

- Yomari Code Camp, Locus 2016, Locus 2017

Academic Qualification:

Qualification	Year	Institute	University/Board
B.E (Electronics And Communication)	2017	IOE, Pulchowk Engineering Campus, Patan, Lalitpur	Tribhuwan University

Other Skills and Interest:

- Participating on social activities
- Music (flute and violin) and sports (football, ping pong, basketball, cricket)
  https://youtu.be/qV9TNSE9YR0?list=UUsgmPE51F0dma3lHBbi-C9g

Some Links from CV:

● Autonomous Vehicle: https://youtu.be/DmVCH_2Wguo

- Robotic projects on Youtube: link

- MSP applicant assignment: link

- Presentation Slides: link

- Github: link

- Blog: link

Personal Details:

Date of Birth	1994-02-18 A.D
Father's Name	Krishna Maharjan
Temporary Address	Sunakothi-2, Lalitpur
Permanent Address	Sunakothi-2, Lalitpur
Gender	Male
Nationality	Nepali
Marital Status	Single
Languages known	English, Nepali, Hindi, Newari

About me:

I am positive thinker and friendly nature. I like to stay with people, listen them, share, learn and work together. Keep progressing, keep moving is what I do.