

RAJU KHADKA

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Linkedin

EDUCATION

Texas Tech University, Lubbock, Texas (CGPA 3.589/4.0)

Graduation- May 2021

- *Bachelor of Science in Computer Engineering*
- Minor in “Computer Science” and “Mathematics”

TECHNICAL SKILLS & TOOLS

- **Python (NumPy and Pandas), Java, C, C++, MATLAB, Dart, SQL, PHP, and HTML**
- **LabVIEW, Eagle Cad, LTSpice, AWS, MySQL, Firebase**
- **Flutter, Android Studio, Visual Studio, and Microsoft Office Suite**

PROJECTS

Genre Predictor, Team Member

JAN 2020- Present

- Utilize a Machine Learning (Neural Network) technology to predict the genre of the song
- Use of Raspberry Pi for audio recording and data abstraction
- Develop an application with UI to control the functions of the system
- Interfaced Google Firebase database for data clustering and displaying necessary data to the UI

Maximum Power Point Tracking System, Team Member

AUG 2019- DEC 2019

- Coded microcontroller to sample and calculate the battery Charge Percentage, Power, and angle of solar panel
- Designed and integrated LabVIEW system with msp430f5529 microcontroller for monitoring electrical signals
- Created a Website using PHP and HTML and integrated with MySQL database
- Interfaced LabVIEW system, database, and website for providing information about sampled data

Autonomous Mail Delivery System, Team Member

JAN 2019-MAY 2019

- Built an “**Autonomous Mail Delivery System**” using BASYS 3 board and H-bridge circuit
- Designed and simulated amplifier circuit for IR Sensor using LM324 in LTSpice
- Designed and tested a printed circuit board (PCB) using Eagle Cad
- Interfaced all the hardware and software

EXPERIENCES

Weather Report App in Dart

- Develop a cross platform app to provide the location specific live weather condition
- Networked in flutter app with the HTTP package to fetch the data

Classic Game Development in Java

- Developed snake game applying multithread to reduce the latency

INVOLVEMENT

- Institute of Electrical and Electronics Engineers (IEEE)
- Nepalese Student Association TTU (NSA TTU)
- Google Developer Student Club
- Nepal Red Cross Society

HONOR AND AWARD

- “**Top 25 Presidential Scholarship (TTU)**” at Texas Tech University for excellent performance in High School and commendable achievements on Standardized Tests.
- “**President Scholarship**” during my high school for my outstanding leadership skills and excellent performance

VOLUNTEER EXPIRENCE

Nepal Red Cross Society, Disaster Recovery Coordinator

May 2015

- Actively participated as a coordinator for Nepal Red Cross Society after the massive earthquake hit Nepal and helped for re-establishment of people during that period by raising fund and rebuilding houses.