Kamal Byanjankar

Software Engineer

An independent and self-motivated graduate, seeking an opportunity to learn and contribute to the organizational growth while maintaining good co-operation with the team members.

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EDUCATION

Masters of Engineering in IT
Frankfurt University of Applied Sciences ↗

10/2017 - 04/2022   *Frankfurt am Main, Germany*

Courses

- Stochastic Signals and Systems
- Methods, Systems and Networks for Digital Communication
- Mobile Computing
- Distributed Systems and Computer Networks
- Digital Switching and Routing
- Development of Service Robot with NAO in Python

Bachelor in Electronics and Communication Engineering
Kantipur Engineering College, Tribhuvan University ↗

08/2010 - 11/2014   *Lalitpur, Nepal*

Courses

- Computer Organization and Architecture
- Embedded System
- Wireless Communication
- Computer Network
- Telecommunication
- Digital Signal Processing

WORK EXPERIENCE

Master Thesis
Frankfurt University of Applied Sciences

09/2021 - Present

Achievements/Tasks

- Capturing raw data of small stone obstacles using ultrasonic sensor and Red Pitaya board for Autonomous driving
- Performing Data Analysis and implementing Machine Learning Algorithms and comparing the accuracy of models
- Weekly progress and timely done reports
- Techology Used: Python, Jupyter Notebook, PyQt6, QtDesigner

Contact : *Prof. Dr. Andreas Pech*

Site Engineer
Bizinsider Tech Nepal

12/2014 - 03/2017   *Kathmandu, Nepal*

Conducts maintainance and operation of telecommunication sites as well as conducts survey in remote areas for feasibility study

Achievements/Tasks

- Survey of GSM-BTS telecommunication sites
- Planning and Organizing resources for the survey
- Timely done reports

Contact : *Bibek Singh*

SKILLS

Reactjs   Javascript   Java   Spring Boot

Python   Database   Git   HTML   CSS

PROJECTS

Netflix React Application ↗

- A Netflix application in which the movies are fetched from TMDb api and displayed in the front end. The user needs to sign up or log in, in order to watch the movie trailer.
- Technology Used: React, Firebase, and CSS

Real-time Chat Application ↗

- A messenger application used for real-time messaging by creating a group. The user needs to login by using Google authentication to chat. Firebase is used as a backend to store data.
- Technology Used: React, Firebase, and CSS.

Online Banking Application ↗

- An online banking application where users can create a new account and login to view their account details. Users can deposit and withdraw the amount and can also transfer the amount to the recipient and transactions can also be viewed. The total number of account holders can be viewed only by the Admin Role.
- Knowledge of Object Oriented Design Principles.
- Technology Used: Java Spring boot, Spring Security, Hibernate, Thymeleaf, PostgreSQL Database.

Minimizing a feature vector using PCA ↗

- Capturing data using an ultrasonic sensor and implementing Machine Learning algorithms, comparing the accuracy of the algorithms, minimizing the feature vector by using PCA.
- Knowledge of Object Oriented Programming and design pattern.
- Technology Used: Python, Jupyter Notebook, PyQt5, Qt Designer.

LANGUAGES

English   ● ● ● ● ○

German (A2)   ● ● ● ○ ○

INTERESTS

Cooking   Travelling   Reading