



# 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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🐙 [github.com/KamalByanjankar](https://github.com/KamalByanjankar)

## EDUCATION

### Masters of Engineering in IT

Frankfurt University of Applied Sciences [🔗](#)

10/2017 - Present

Frankfurt am Main, Germany

#### Courses

- Stochastic Signals and Systems
- Distributed Systems and Computer Networks
- Methods, Systems and Networks for Digital Communication
- Digital Switching and Routing
- Mobile Computing
- 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
- Computer Network
- Embedded System
- Telecommunication
- Wireless Communication
- 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
- Technology 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

Java

Spring Boot

Reactjs

Python

Database

Javascript

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.

### 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.

### 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.

## LANGUAGES

English



German (A2)



## INTERESTS

Cooking

Travelling

Reading