

# KANIJ FATEMA ARPA

Graduate Computer  
Science Engineer

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## EDUCATION

### East West University

BSC IN COMPUTER SCIENCE & ENGINEERING

- Major in Artificial Intelligence
- Bachelor Thesis (A+): Criminal Activities Detection Through Surveillance Camera Using Machine Learning and Deep Learning
- CGPA 3.36

Aftabnagar, Dhaka

2018 - 2023

### Ideal College

HIGHER SECONDARY EDUCATION

- GPA 4.7

Dhanmondi, Dhaka

2015 - 2017

### Makhati G.c High School

SECONDARY EDUCATION

- GPA 5

Makhati, Munshiganj

2013 - 2015

## PROJECTS

### A Machine Learning and Deep Learning Integrated Model to Detect Criminal Activities

BUILD A CENTRAL SYSTEM CONSISTING OF THREE MODULES: I.E.

- Criminal Activity Identification
- Weapon Detection
- Criminal Detection: Sentiment Analysis+Face Recognition

ML,DL

2023

### Heart Attack Risk Prediction

WHETHER A PERSON HAS A RISK OF HEART ATTACK

Auto ML

2024

### Frequent Pattern Mining Algorithms

ANALYSIS APRIORI AND FP-GROWTH

ML

2021

### Auction Management System

WEBSITE

HTML,CSS,JavaScript

2022

### Interpreter

INTERPRET ASSEMBLY LANGUAGE BASED ON SOME BASIC INSTRUCTIONS FOR A MACHINE HAVING THREE REGISTERS

C

2021

### LPG Leakage Detector using Arduino with notification Alert and Sound Alarm

Blynk App

ARDUINO UNO, MQ6 GAS SENSOR, NODEMCU ESP8266, ARDUINO IDE, TINKERCAD

2022

### Portfolio Website

RESPONSIVE

Nextjs,Tailwind CSS,Framer-motion

2024

## PUBLICATIONS

- 2023 **1st Author**, K. F. Arpa et al., "A Machine Learning and Deep Learning Integrated Model to Detect Criminal Activities," 2023 4th International Conference on Big Data Analytics and Practices (IBDAP) *Bangkok, Thailand*



## ABOUT ME

Engineer, software geek, problem solver, technical enthusiast, organized, articulate, coordinated, and hard-working

## SKILLS

Data structure+Algorithm(CGPA 4)

PHP+SQL+RDBMS

NextJs+Tailwind CSS

Scripts+Jenkins+Ansible+GitOps

Python

0 +500 h

## LANGUAGES

**English** • Fluent  
**Bangla** • Mother tongue  
**Hindi** • Conversational

## HOBBIES

Research, Reading, Exploring, Cooking

## SKILLS+

- OS(Windows, Linux)
- Cloud(AWS, Docker, Kubernetes)
- Microsoft Office
- ChatGPT