Jyoti Chakma

Address : House No.: Kha-13/2, Shahjadpur, Dhaka, Bangladesh

Email: jyotichakma101@gmail.com **Phone:** (+880) 1874209398

Website: https://jyoti-chakma.github.io

Gender: Male   **Date of birth:** 28/11/1999

ABOUT ME

I love to learn new technologies as the world is growing so fast. I'd like to describe myself as a "Technophile" who likes, loves, or is enthusiastic about technology. I always want to go beyond limitations to do new things. I have a keen interest in solving complex problems and continually seek opportunities to enhance my skills.

EDUCATION

[2018 – 2021]
Bachelor of Science in Engineering (B.Sc. Engineering)

University of Chittagong

Field(s) of study: Electrical and Electronic Engineering

Final grade: 3.17 out of 4.00

Result Publication Date: 09/09/2023

Final Project: Continuous Air Quality Monitoring of Chittagong City with Distributed Sensor Nodes

[2015 – 2017]
Higher Secondary School Certificate (H.S.C.)

Rangamati Govt. College

Field(s) of study: Science | **Final grade:** 4.75 out of 5.00

[2013 – 2015]
Secondary School Certificate (S.S.C.)

Rangamati Govt. High School

Field(s) of study: Science | **Final grade:** 5.00 out of 5.00

SOFTWARE SKILLS

Microsoft Office, MATLAB, Arduino, Android Studio, VS Code & Simulation Softwares

PROGRAMMING SKILLS

C, C++, Python

Version Control: Git, GitHub, GitLab

App Development: Java (Android Development), Flutter

Web Design & Development: HTML, CSS, JavaScript, PHP (Raw)

WORK EXPERIENCE

[07/2024 – Current]
Documentation Engineer

LM Ericsson Bangladesh Ltd.

Department: PAT Acceptance

Project: Robi Capacity Expansion'24

[04/2023 – 05/2023]
Production Intern

Singer Bangladesh Ltd.

Unit: Refrigerator Plant **Department:** Quality Control

[09/2020 – 04/2021]

Engineering Intern

Dream Door Soft. Ltd.

Work on: Robotics Process Automation (RPA) & App Development

PUBLICATIONS

[2023]

Self-ChakmaNet: A Deep Learning Framework for Indigenous Language Learning using Handwritten Characters

Abstract: This paper proposes an interactive machine-learning method for Handwritten Character Recognition of the language "Chakma". This framework achieved 99.84% for overall accuracy, precision, and sensitivity.

Published by: Egyptian Informatics Journal   **Impact Factor:** 5.2

ACHIEVEMENTS

[2023]   **Champion - Startup Idea Competition**

Awarding Institution: University of Chittagong

[2021]   **7th (National Round) - JAXA Kibo Robotics Programming Challenge**

Awarding Institution: STEMX 365

[2016]   **2nd Runner Up - Regional Mathematical Olympiad**

Awarding Institution: Bangladesh Mathematical Olympiad

[2019]   **1382nd - Google Kick Start Coding Competition**

Round F, 2019

EXTRACURRICULAR ACTIVITIES

[2023]   **National Indigenous Youth Conference**

Organized by Kapaeeng Foundation

Theme: Connecting Future: Indigenous Youth for Inclusive Society and Green Climate

[2023]   **Speaker at Seminar on Programming**

Engineering Day 2023, University of Chittagong

[2019]   **Social Leadership Hackathon**

Organized by Bangladesh Youth Leadership Center

Workshop on: Critical thinking, Problem-solving, and Communication.

[2018]   **Mindspark'18**

Project Showcasing at Ahsanullah University of Science and Technology

Project: Personalized Security Alarm System

LANGUAGE SKILLS

Expert in language(s): English, Bengali, Chakma

KEY PROJECTS

[2023] **Continuous Air Quality Monitoring of Chittagong City with Distributed Sensor Nodes (Embedded System)**

A Project for Monitoring Air Quality of a City with Embedded System.

[2022] **Weather Station (Web)**

Generates eather data from OpenWeather API.

Link: https://github.com/Jyoti-Chakma/Weather-Station-with-Flask

[2021] **Rokto-Data (App)**

Rokto-Data is a Blood Donor Management App

Link: https://github.com/Jyoti-Chakma/Rokto-Data

[2020] **Horof (App)**

Horof is a Learning App for Chakma Language

Link: https://github.com/Jyoti-Chakma/Horof

I declare that the information provided in this CV is true and complete to the best of my knowledge. Thank you for taking the time to review my CV. I appreciate your consideration of my application.

Jyoti Chakma