

# Innocent Dengkhw Mochahari

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## EDUCATION

### Central Institute of Technology, Kokrajhar

Computer Science and Engineering, CGPA 9.03/10 (upto 6th Semester)

### Cotton University

Higher Secondary in Science, Score 73.2/100

Kokrajhar, BTR

Sep 2020 – July 2024

Panbazaar, Guwahati

Aug 2017 – May 2019

## EXPERIENCE

### Summer Research Intern

06/2023 – 08/2023

Indian Institute of Technology Guwahati

- Created an Affective Game using Android Studio by implementing graphics through canvas, along with building various classes.
- Integrated OpenCV for Android SDK for real-time face detection and emotion recognition in the game.

### Web Developer

01/2021 – 06/2023

Technical Clubs, Central Institute of Technology, Kokrajhar

- Created and maintained the Coding Club CITK website with HTML, CSS, PHP and MySQL
- Maintain and Manage the Robotics Club website using Git Workflow.

## PROJECTS

### Video Conferencing web-app powered with Computer Vision | Django, OpenCV, Python, Javascript | [link](#)

- Developing a video conferencing application for real time monitoring and analysing student behavior.
- To develop an optimised and efficient real time video/image processing in a video conference.

### Developed an Android-based Affective Game | OpenCV, Android Studio, Java | [link](#)

- Implementation and Analysis of the OpenCV library and its capabilities for computer vision and image processing
- Leveraged game logic and scripting knowledge to conceptualize and create a captivating affective game.

### ASD detection using deep learning | ML, DL, Image Processing | [link](#)

- Combined the Q-chat Questionnaire with Image Classification model to predict Autism Spectrum Disorder (ASD)
- Implemented different pre-trained Image Classifier models, and techniques like transfer learning & fine tuning

### Game Design and Development | Unity, C#, Photoshop | [link](#)

- Built a monster game using Unity and C#, gaining experience in game development, design and animation
- Designed game assets using Adobe Photoshop, demonstrating skills in asset creating and visual design

## TECHNICAL SKILLS

**Programming Languages:** Java, C, Python, Javascript

**IT Constructs:** Data Structures and Algorithm, Object Oriented Programming, DBMS

**Frontend Skills:** HTML, CSS, Bootstrap, ReactJs

**Backend Skills:** Django, MySQL, PHP, Flask

**Other Skills:** Android Studio, Unity, Machine Learning and Deep Learning

## VOLUNTEERING EXPERIENCE

### Co-ordinator

01/2021 – 06/2023

Coding Club CITK

Central Institute of Technology, Kokrajhar

- Spearheaded the founding of a coding club, collaborating with core members to establish a thriving community of 200+ members. Coordinated bootcamps, workshops, and coding contests.

### AR/VR Lead

09/2023 – Present

Google Developer Student Clubs

Central Institute of Technology, Kokrajhar

- Current AR/VR Lead at GDSC CITK, driving immersive experiences and innovation.

## CERTIFICATIONS AND ACHIEVEMENTS

**IBM AI Engineering Professional Certificate** (3/6 Courses Completed)

**Java Programming and Software Engineering Fundamentals Specialization** (4/5 Courses Completed)

**Qualified GATE 2023**