

Ghana Kanta Payeng

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EDUCATION

DUET

B.Tech in Computer Science and Engineering. CGPA : 7.65

Dibrugarh, Assam

Graduation Date: Jun 2027

WORK EXPERIENCE

IIT

Research Intern

Guwahati, Assam

Jun 2025 - Jul 2025

- Built an Underwater Trash Detection System using AI/ML with a custom YOLO model under the TIH Water Technology Project.
- Developed a web app with video upload + live webcam detection using Python, Streamlit, and OpenCV.
- Deployed an end-to-end system detecting 15 underwater trash types with real-time bounding-box visualization.

Project Humanity

Jorhat, Assam

Social Intern

Jan 2025-Jan 2025

- Spearheaded a community cloth donation drive that engaged over 50 participants.
- Successfully collecting and distributing more than 200 items of clothing to families in need, resulting in a 30% increase in community involvement compared to previous initiatives.

PROJECT EXPERIENCE

Attendance Management System

Personal

Personal Project

- Enabled teachers to log in as admins and mark classes as "Absent" to inform other teachers, reducing confusion and ensuring proper class coverage.
- Designed a dynamic interface allowing teachers to easily modify and view class schedules, improving overall efficiency and communication.
- Designed Attendance Management System using HTML, CSS and Javascript.

Guess The Number

Personal

Personal Project

- A terminal game functions allowed users to guess numbers from 1 to 100 while receiving instant feedback about their guesses. Users accessed the platform through three difficulty options ("easy", "medium", "hard") which presented specific try limits and attractive visual content and achievement awards.
- Used Python and ASCII art for engaging game experience.

My Portfolio Website

Personal

Website

- Created a portfolio website for my own to showcase my resume, projects and skills.
- Designed using HTML, CSS and Javascript.

TECHNICAL SKILLS & INTERESTS

Programming language: Python, C, HTML, CSS & JavaScripts, MySQL.

Software Tools & Platforms: LaTex (Overleaf & TexMaker), Canva, Microsoft Word, Powerpoint, Excel.

Data Structures & Algorithms: Fundamental Understanding of core concepts and problem solving techniques.