DAIJI KALITA

Roll No.:202202022119
B.Tech - Computer Engineering

Central Institute of Technology, Kokrajhar

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EDUCATION

Degree/Certificate	Institute/Board	Year
B.Tech	Central Institute of Technology, Kokrajhar	2023–Present
Diploma	PCPS Girls' Polytechnic	2023
Senior Secondary	AHSEC Board	2020

EXPERIENCE

•**IIIT Guwahati**   *May 2025 – june 2025*
Deep Learning Research Intern   Guwahati, Assam
  – : Built a deep learning-based gait authentication system using CNNs.
  – : Used CNN, VGG16, ResNet, LeNet;applied preprocessing and quantization for edge deployment.

•**AMTRON**   *Dec 2022 – Jan 2023*
Web Design Intern   Guwahati
  – : Completed training in web design: HTML, CSS, UI basics.

•**NSIC -Technical Services Centre**   *Mar 2022 – Jun 2022*
Database Management Intern   Bamunimaidam, Guwahati
  – : Worked with database software tools to support structured data storage and retrieval for institutional applications.

•**NSIC –Technical Services Centre**   *Mar 2022 – Apr 2022*
Biometric-Based Attendance System   Guwahati
  – : Assisted in the design and development of an automated attendance system using biometric identification

PROJECTS

•**Federated Learning for Healthcare Data in Rural Hospitals**

  – Built a privacy-preserving federated learning system using Python, PyTorch, and FLwr to collaboratively train a medical diagnosis model without sharing patient data.

•**Dynamic Server Selection using RL**

  – Used reinforcement learning to choose optimal servers in edge networks.

•**Portfolio**

  – Personal portfolio built with HTML, CSS JavaScript — projects, gallery contact; live at daiji-showcase.

•**Car Rental Management System**

  – Built full-stack platform with Next.js, MongoDB, Stripe for car booking and payments.

•**User Authentication System**
HTML, CSS, JavaScript
  – Designed and implemented a secure login and signup system with frontend validation.

•**Hostel Management System**

  – Built modules for room booking, record keeping and billing using PHP, MySQL.

TECHNICAL SKILLS

- **Programming Language**: DSA,C, C++,OOP, Python, HTML, CSS, java script, excel, MySQL
- **Category**: Data Structures Algorithms, Object-Oriented Programming (OOPs), Operating Systems,Mechine Learning,Deep Learning, Computer Architecture

POSITIONS OF RESPONSIBILITY

•**Felicitation Team Member**,3rd ICTCon 2025, CIT Kokrajhar   *- 2025*
•**Magazine Secretary**,PCPS Girls' Polytechnic   *Aug 2021 – Jun 2023*
•**Photography Club Member**,PCPS Girls' Polytechnic   *Aug 2021 – June 2023*