

Sroita Ghosh

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EDUCATION

GAUHATI UNIVERSITY INSTITUTE OF SCIENCE AND TECHNOLOGY

B.TECH IN INFORMATION
TECHNOLOGY

CGPA:8.80

2020-2024 | Guwahati, Assam

JERMEL'S ACADEMY

PERCENTAGE:88

2018-2020 | Siliguri, West Bengal

RESEARCH EXPERIENCE

Automated Classification of Mekhela Sador: Handloom vs Powerloom using Convolutional Neural Networks: Conference:

2nd International Conference on Networks, Multimedia and Information Technology (NMITCON-2024), Bengaluru, India

Presenting on:

9-10th August 2024

The traditional Assamese garment, Mekhela Sador, faces authenticity challenges due to powerloom copies. This study employs a custom-built CNN architecture and a novel dataset to categorize and preserve the cultural and aesthetic integrity of these garments.

SKILLS

PROGRAMMING

Languages:

Java • JavaScript • C

Technologies:

CSS • HTML • MySQL • PostgreSQL

Tools:

Github • Linux • Docker • Jenkins • Spring Boot

Frameworks and Libraries:

React.Js • Tailwind CSS • Firebase • Google Cloud

LANGUAGES KNOWN

English

Hindi

Bengali

Assamese

OTHERS

Classical Dancing

Art

EXPERIENCE

NORTH EASTERN ELECTRIC POWER CORPORATION (NEEPCO) |

SOFTWARE DEVELOPMENT INTERN

June 2023 – July 2023 | Guwahati, Assam

- Developed an advanced asset management application for NEEPCO, enhancing asset tracking and maintenance efficiency.

ASSAM POWER DISTRIBUTION COMPANY LIMITED (APDCL) |

SOFTWARE DEVELOPMENT INTERN

July 2022 – August 2022 | Guwahati, Assam

- Successfully located DTRs and consumers of APDCL in the assigned region using indicators and geolocations.
- Contributed to the development of the website: <https://apdcl-map.netlify.app>

RITUSHA COMPUTERS PRIVATE LIMITED (RCPL) | TRAINEE

June 2021 – July 2021 | Guwahati, Assam

- Acquired proficiency in Python programming language and Linux administration.

PROJECTS

ASSAM THREADS:

REACT | TAILWIND CSS | JAVASCRIPT | PYTHON | FLASK

- Built a website using React and Tailwind CSS for classifying handloom and powerloom Mekhela Sador.
- Integrated deep learning models (CNN, MobileNetV2, VGG16) for accurate classification.

NEEPCO-ASSET MANAGEMENT SYSTEM:

HTML | CSS | JAVASCRIPT | REACT | NODE | EXPRESS | POSTGRES SQL

- Engineered a streamlined asset management solution for NEEPCO, enhancing asset tracking precision and maintenance workflows.
- Created user-friendly interfaces for seamless addition, editing, and categorization of assets, leading to enhanced operational efficiency.

FARMEYE :

PYTHON | HTML | CSS | JAVASCRIPT | BOOTSTRAP | NUMPY | PANDA | WEATHER API | PYTORCH

- Engineered ML-based Crop Recommendation System with 87K RGB images, categorizing leaves into 38 classes.
- Integrated Profit, Crop, and Disease Prediction for informed agriculture.

LOCOBUS:

FLUTTER | NODE.JS | FIREBASE | GOOGLE CLOUD | GOOGLE MAPS API

- Developed a university bus tracking app utilizing Google Maps API.
- Introduced real-time bus tracking, destination alerts, and enhanced customer care services for an improved user experience.