# EDUCATION

CHANDRADIP ROY

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* **Manipal Institute of Technology, Manipal CGPA: -**

Master of Computer Applications [Expected: 2026]

**Courses:** Database Management System, Web Technologies, Object Oriented Programming

* **Sikkim Manipal Institute of Technology** **CGPA: 9.72**

Bachelor of Computer Application, May 2024

**Courses**: Data Structures & Algorithms (DSA), Operating Systems, Data Science, DBMS, OOPS, Java, C/C++, HTML, CSS, JavaScript

# PROJECTS

## Student GPA Calculator | HTML, CSS, JavaScript, PHP

## Created a user-friendly web application for calculating student’s semester GPA.

## It is designed to enable students to access and review their semester marks and GPA effortlessly.

## Emotion Detection Model | Python, DL(LSTM, CNN), Librosa

* Built a Convolutional Neural Network model for emotion detection through voice signals, achieving 95% accuracy across three datasets.
* Librosa has been used to extract the features from the voice signal.
* Achieved an outstanding accuracy of 95% (average) on the three datasets.
* **News App | React.js, Tailwind CSS, GNews API**
* Developed a responsive web application that fetches and displays real-time news articles.
* Implemented with React.js for a dynamic user experience and Tailwind CSS for mobile-first design.

# Research Papers

## Stacked Convolutional Network (SCoNN) - A Neural Network Mechanism for Emotion Detection Using Various Emotion Datasets

## -Authors: Chandradip Roy; Wreet Kharel; Pijush Das; Ranjit Panigrahi; Akash Kumar Bhoi; Victor Hugo C. de Albuquerque

## -Status: Under Review

## -Journal Name: Soft Computing

## -Publisher : Springer

# TECHNICAL SKILLS

* **Languages:** C/C++, Java, Python, JavaScript, C#
* **Front – End Development:** HTML, CSS, JavaScript, ReactJS, tailwind css
* **Back-End Development**: PHP
* **Database:** MySQL, Oracle, PL/SQL
* **Data Science:** ML Algorithms (Naïve Bayes, Linear Regression, KNN, K-means), DL Algorithms (RNN, CNN, LSTM)
* **Data Analysis:** NumPy, Pandas, Matplotlib
* **Developer Tools:** VS Code, Cursor AI, NetBeans, Visual Studio, Jupyter, Spyder

# Certifications

* **Responsive Web Design** by University of London, Goldmiths, University of London.
* Credential ID YELNCGQO071M
* **Linear Algebra for Machine Learning and Data Science** by United Latino Students Association
* Credential ID 1HBAJYUVWN1F

# SOFT SKILLS

* **Adaptability:** Quick to pivot in response to new challenges and changes.
* **Problem-solving:** Skilled in identifying issues and creating effective solutions.
* **Leadership:** Strong leadership abilities in project management and team collaboration.
* **Quick learner:** Proficient in rapidly acquiring new technical skills and concepts.

# HONORS AND AWARDS

* Achieved **Academic Excellence** Award in Bachelor of Computer Applications (Batch of 2024).
* Being **Class Representative** for 2 years.