

NISHCHAY SINHA

[Portfolio](#) | [GitHub](#) | [LinkedIn](#) | nishchaykksinha@gmail.com | 7887767971

TECHNICAL SKILLS

Python | C++ | JavaScript | React.js | Node.js | HTML | CSS | Firebase | MongoDB | Git | Tensorflow

ACTIVITIES & ENGAGEMENT

Project: Soshable ([link](#)) (Dec-24)

Developed a transparent platform for community-driven projects that enables users to create, fund, and track local initiatives. Built with React and Firebase, this platform focuses on real-time fund tracking and impact visualization.

Project: Generative AI for E-Commerce Image Generation ([link](#)) (Dec-24)

Successfully completed a capstone project on developing a GAN-powered to produce high quality images tailored for e-commerce platforms achieving up to 80% accuracy.

Project: Song Popularity Analysis and Prediction ([link](#)) (Dec-24)

Successfully completed a capstone project on performing Exploratory Data Analysis (EDA) on the popularity of songs using various musical attributes, further performing predictions using Linear Gradient Boosting Machine model with the best R2 score (0.81).

Project: Electricity generation prediction system ([link](#)) (Oct-24)

Successfully completed a capstone project on developing an electricity generation prediction system using 4 supervised learning algorithms achieving up to 95% accuracy using Random Forest Regression.

Project: Website Design & Development - IEEE TCET for AY24-25 ([link](#)) (Sep-24)

Led a 5-member team to design and develop the IEEE TCET website for AY24-25 using HTML, CSS and JS.

Project: AI-powered customer support interaction system ([link](#)) (Jun-24)

Successfully completed a capstone project on developing an AI-powered system to automate customer support interactions using the generative model GPT-3.5. The system responded to customer queries using linear regression with 80% accuracy.

Summer Analytics 2024 - Consulting & Analytics Club, IIT Guwahati (Jun-24)

Attended a 6-week course on Data Science and Machine Learning organized by CAC, IIT-G including data cleaning, ML models and algorithms, data visualization and neural networks using Keras library. Received the Certificate of Merit for finishing in the top 25%ile.

TE Head - IEEE TCET Technical Working Committee (AY24-25)

Led a 21-member team as the TE Head, IEEE TCET Technical Working Committee for AY24-25 to organize 3 tournaments at our flagship technical event Zephyr 2024.

Published in Abhivarg (TCET E&TC Departmental Magazine)

- [Abhivarg 9.1](#) (Oct-24)
Published an article on how renewable telecom can champion environmental sustainability and why governments should focus on its implementation.
- [Abhivarg 8.1](#) (Dec-23)
Published an article on the development of James Webb Telescope and its impact on cosmological studies.

EDUCATION

B.E. (E&TC) : 7.86 CGPA (6 Semesters)

Thakur College of Engineering & Technology (Autonomous, affl. University of Mumbai)

HSC : 68.33%

Utkarsha Vidyalaya and Junior College, MSBSHSE

SSC : 87.00%

National English High School, MSBSHSE