

# NISHCHAY SINHA

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## TECHNICAL SKILLS

Python (DS & ML) | HTML | CSS | React.JS | MongoDB

## ACTIVITIES & ENGAGEMENT

**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: Admin Dashboard** ([link](#)) (Oct-24)

Developed static admin dashboard for administrative and business updates using HTML, CSS and React.JS.

**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.

**Project: Instagram Home-page Clone** ([link](#)) (Jul-23)

Developed static clone of Instagram Web Home-page using HTML, CSS and JS.

**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) : Thakur College of Engineering & Technology | 8.03 CGPA (4 Semesters)

HSC : Utkarsha Vidyalaya and Junior College | 68.33%

SSC : National English High School | 87.00%