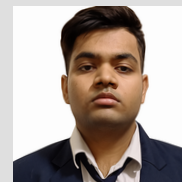


# SATAYU NANDA

B.Tech (CSIT)



+91-9073760722    Kolkata, West Bengal    [linkedin/satayunanda](https://www.linkedin.com/in/satayunanda)    [satayunanda2002@gmail.com](mailto:satayunanda2002@gmail.com)

## PROFILE SUMMARY

Results-driven Computer Science undergraduate with hands-on experience in Machine Learning, Web Development, and Software Engineering. Proven skills in Python, C++, and JavaScript, with successful projects in ASL detection and medical diagnostics. Strong problem-solving abilities and a collaborative mindset, seeking opportunities to contribute to impactful and innovative tech solutions.

## EDUCATION

2022 - 2026

**Bachelor of Technology, CSIT**

University of Engineering and Management,  
Kolkata

2018 |2020

**Secondary and Higher Secondary**

Aditya Academy Senior Secondary,  
Dumdum

## TECHNICAL SKILLS

**Languages:** Python, C++, Java,  
JavaScript, HTML5, CSS3, Tailwind  
CSS

**Frameworks & Libraries:** TensorFlow,  
Keras, Scikit-learn, Pandas, NumPy,  
OpenCV

**Tools & Platforms:** Git, GitHub,  
WordPress, MySQL

**Concepts:** DBMS, OOP, Agile  
Methodologies, SDLC

## CERTIFICATIONS

- Introduction to Generative AI -  
**Google Cloud** from Coursera  
**August 2024**

## SOFT SKILLS

- Excellent communication and teamwork abilities
- Strong problem solving and critical thinking skills
- Adaptable, self motivated and eager to learn

## WORK EXPERIENCE

**IEMA Research and Development Pvt. Ltd.**

Web Development Intern

July 2025 - present

- Built a responsive multi-page conference site with **HTML, CSS, JS**, improving load speed by 25% via optimization.
- Developed the frontend of an interactive event site with advanced UI/UX, boosting session duration by 30%.
- Developed two **WordPress** sites with custom themes/plugins, reducing bounce rate by 15%.
- Delivered all projects ahead of schedule with 100% client approval in an Agile team setting.

**Unified Mentor Private Limited**

Machine Learning Intern

May 2025 - June 2025

- Built and deployed ML models for **Liver Cirrhosis** prediction and **ASL sign detection**, Improved model accuracy by 5% over baseline models.
- Optimized model performance using **Python (Pandas, NumPy, Scikit-learn, TensorFlow/Keras, OpenCV)**.
- Integrated ML solutions into production with scalable, well-documented code in an Agile setup.

## PROJECTS

**Brain Tumor Detection using CNN (Jan 2024)**

- Built a CNN-based model for **brain tumor detection** using medical imaging datasets with **TensorFlow/Keras, OpenCV, and NumPy**
- Preprocessed and augmented data to improve model robustness; evaluated with **accuracy, precision, recall, and F1-score**.
- Achieved **92% accuracy**, improving diagnostic reliability for healthcare use cases.

## ACHIEVEMENTS

Selected as The **STAR CORRESPONDANT** at The Times NIE, Kolkata (2018-2019)

## LEADERSHIP ROLES

Was the **President** of Symphony - The music club of UEM, Kolkata