SAPTARSHI GHOSH

Kolkata, West Bengal

📞 +91 6296770327 ✉ saptarshi0999@gmail.com in Saptarshi Ghosh ⭘ Saptarshi

Education

University of Engineering and Management,Kolkata   **August 2022 - June 2026**
Bachelor of Technology in CSE(AI+ML) **(CGPA of 8.59)**   *West Bengal, India*

Hoomgarh Chandabila High School   **2021 - 2022**
XII (WBCHSE) , **Percentage(89)**   *West Bengal, India*

Hoomgarh Chandabila High School   **2020**
X (WBBSE) , **Percentage(80)**   *West Bengal, India*

Technical Skills

Languages and Development: Python, Java, C, Html, CSS, Flask, SQL, MySql, Git, GitHub
Data Prepossessing: Numpy, Pandas
Data Visualization: Matplotlib, Seaborn
Machine Learning and AI: TensorFlow, Keras, Scikit-learn
Computer Fundamental: Object-Oriented Programming System, Operating System, Database Management System
Design Tools: Photoshop, Figma, Illustrator

Projects

PPE Detection for Construction Site Safety | Repository Link | (Personal)

* Developed a computer vision system using YOLOv8 to detect Personal Protective Equipment (PPE) on construction sites, enhancing safety compliance by automating monitoring processes.
* Implemented training and inference pipelines with **Python, PyTorch, and OpenCV**, enabling real-time detection of PPE items like helmets and vests, potentially reducing workplace accidents by **20% in simulated environments**.

LinkedAI AI Post Creation Platform | Repository Link | (Personal)

* Built a web-based platform for image annotation and machine learning model training, streamlining dataset preparation for computer vision tasks.
* Utilized **Flask, Python, HTML, CSS, and JavaScript** to create a user-friendly interface, enabling **over 50 users** to annotate images efficiently during initial testing.

Plant Disease Detection Using CNN | Repository Link | (Personal)

* Designed a CNN-based system to detect plant diseases from leaf images, supporting early diagnosis for agricultural applications.
* Leveraged **TensorFlow, Keras, and Python** to train and deploy the model, achieving reliable classification for **multiple disease categories** in prototype testing.

Achievements

· Achieved **Vice Chancellor's Award** for outstanding overall performance. | Certificate ⬈
· Secured **1st position** in Ray Imagine Poster Design Competition. | Certificate ⬈
· Served as **Lead Designer** for Ureckon, the annual techno-management fest of UEM Kolkata.

Certifications

· Machine Learning & Data Science (GeeksforGeeks) ⬈
· Python for Data Science, AI & Development (IBM) ⬈
· Cloud Computing (Linked-in Learning) ⬈
· Photoshop 2024 Essential Training (Linked-in Learning) ⬈

Hobbies

· Photography
· Travelling
· Filmmaking