ARGHADEEP SAHA

Dhaleswar, Road No. 3, Agartala 799007 —— Ph: +91 9862818156

💻 [Leetcode](#) ✉ [arghadeepsaha5@gmail.com](#) in [LinkedIn](#) ○ [GitHub](#)

Education

Kalinga Institute of Industrial Technology   Oct. 2021 – May 2025
*Bachelor of Technology - Computer Science and Engineering [**CGPA: 8.24**]*   *Bhubaneswar, Odisha*

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code, Eclipse, Google Cloud Platform, Android Studio
Frameworks: NodeJS, ExpressJS, ReactJS, NextJS, SpringBoot
Tools: GitHub, Postman, AWS, Figma, Git
Databases: MongoDB, PostgreSQL, MySQL, NOSQL, Firebase

Experience

Mobcast Innovations   Aug 2023 – Aug 2024
Research & Development Intern   *Remote*
- Installed **Detectron2** for CPU, enhancing computer vision capabilities.
- Integrated diverse pretrained models, introducing model selection options.
- Developed benchmarking code for assessing model efficiency and accuracy.
- Designed and executed qualitative comparison tests to guide model selection and improvements.
- Developed a model using **EfficientNet**, demonstrating superior performance compared to standard model zoo models.

IOT Lab   Apr 2022 – Jan 2023
Artificial Intelligence Intern   *Remote*
- Face Emotion Detection: Developed and implemented a face emotion detection system using deep learning and computer vision technologies, achieving high accuracy in recognizing facial expressions.
- Face Detection: Proficient in implementing face detection algorithms using libraries such as **OpenCV or Dlib.**
- Innovative Image to Pencil Sketch App: Created an application blending artistic expression with technical expertise.

Projects

3D Virtual Trial Room | **Ongoing**
- Empowering users with a dynamic, 3D virtual fitting room experience enhanced by an interactive chatbot for personalized and confident online fashion choices.
- **Tech Stack: Python, ReactJS, NodeJS, ThreeJs, RASA, MongoDB, Docker**

Pedestrians Detection from Drone Images | **March 2024**
- Developed a pedestrian detection system using the YOLOv5 object detection algorithm to detect pedestrians from low-quality drone images, addressing the challenges of aerial surveillance and enhancing public safety.
- **Tech Stack: Python, Yolov5, OpenCV, PyTorch**

Cropio | [Web Link,](#) [Repo Link](#)   **Sep 2023**
- Revolutionized farming journey with Cropio's powerful insights. Maximized profits, optimizing resources, and thriving in agriculture, explore the platform to empower growth journey and elevate farming experience.
- **Tech Stack: HTML, CSS, Hack, TypeScript, JavaScript, PHP, Python**

Certifications

Microsoft: Skill badges and Trophies [(Link)](#)
Forage: Virtual Internship Certificates [(Link)](#)

Leadership & Co-curricular Activity

- **Artificial Intelligence Society (AISOC)** : Core Member and Machine Learning Lead
- [**Expert at Codeforces**](#)
- [**Attained Global Rank of 170 on LeetCode**](#)
- Conquered **2700+ DSA Questions** on Leetcode