NILANJAN CHOWDHURY

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EDUCATION

IILMAHL College of Engineering and Technology
Bachelor of Technology '23 (Expected)
Major: Mechanical Engineering
CGPA: 8.3/10

SKILLS

- **TECH**: Python, C/C++, Java, FEA, Arduino, Linux, TensorFlow, OpenCV, Pandas, ROS
- **SOFTWARES**: Anaconda, SOLIDWORKS, MATLAB/Simulink, Ansys, Git, MSOffice
- **SOFT SKILLS**: Data analysis, Teamwork, Problem Solving, Creativity, Time Management

PROJECTS

- Face Mask Detection Using YOLOv5 & Deep Learning — GitHub
- A* Pathfinding Algorithm Visualization Using Pygames — GitHub
- Rock Paper Scissors AI Game Using TensorFlow and OpenCV — GitHub
- Sudoku Solver Using Graph Coloring Method — GitHub

ACTIVITIES

- Gave a presentation on how to solve Rubik's cube using Fridrich Algorithm as part of Math's Club — 2019
- Led a team of 3 and developed a novel hydrogen based fuel cell which is far cheaper than the conventional one and more efficient for IILM Sustainability Carnival, A National Sustainability Innovation Competition — 2020
- Designed a Go-Kart using SOLIDWORKS for a Design Competition — 2021
- Led a team of 3 and participated in ThinkTank, a startup pitching competition — 2021

OTHER

- **Languages:** English(Native), Bengali(Native), Hindi(Intermediate), Japanese(Novice)
- **Interests:** Drones, Robotics, AI, Neuroscience, Rockets, Psychology, Philosophy, Blockchain
- **Hobbies:** Researching Curiosity, Video Games, Reading Manga, Watching Anime, Coding, Chess, Designing, Cricket, Cooking, Watching YouTube