



PROFILE:

I aim to help come up with scalable solutions to problems, and work with teams that build industry changing technology.

MOST RECENT ACHIEVEMENTS:

- **1st Position:** MeitY Tide 2.0, NIT Silchar Round, 2020 (Finals Cancelled)
- **1st Position:** AgriHacks e-IDEATHON, Jorhat Engineering College, 2020
- **1st Position:** Innovation Challenge and three Robotics events, KIITFest, 2019
- **RoboWars:** Event Organizer of Tecnoesis, NIT Silchar, 2019
- Participated and won various Robotics based events all over the country.

SKILLS:

- Deep Learning Specialization
- Python / C++ / Java
- Flutter + Dart based Development
- Computer Vision
- Machine Learning
- Reinforcement Learning
- IoT
- HTML / CSS / JavaScript
- MATLAB

CONTACT:

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PORTFOLIOS:

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DHIMAN SEAL

AI AND INNOVATION ENTHUSIAST

WORK EXPERIENCE:

Deep Learning Research and Development • Intern • **Grroom**

July, 2020–August, 2020

Internship work involved researching Neural Network Architectures and helping develop the central Fashion Annotation Software for the company, which the company will run on in the future.

IoT-based Software Development • Co-Founder • **Eminence Robotics**

October, 2018–Present

Eminence Robotics is a start-up possessing accolades in Robotics and Innovation based events across the county. We have also sponsored and helped organized tech-fests in multiple colleges.

IoT Developer and Educator • Co-Founder • **TechEngio**

November, 2018 – March, 2020

TechEngio builds IoT projects and partners with local institutes to teach students IoT and Robotics, to help them bring their ideas to reality.

EDUCATION:

National Institute of Technology (NIT), Silchar, Assam; CPI: 7.67, SPI: 8.78

- B. Tech in Electronics and Communication Engineering (ECE), 2018-2022

Gurukul Grammar Senior Secondary School, Assam

- HS (Science), CBSE, 2016-2018; Percentage obtained: 95%
- HSLC, CBSE, 2016; CGPA obtained: 10.0

PROJECTS:

- **SafeSync-IoT**, a full-fledged Employee Management and contact-tracing based Workspace safety solution, where I implemented a *Cross-Platform Dashboard in Flutter, Client-Server IoT communication*, and a self-sufficient, local, *SQL based Database*: www.github.com/Dhi13man/SafeSyncIoT
- **InfrAwake**, an *IoT wearable technology*; Drowsy Driving solution with a *Google Sheets scripting API* based Database: youtu.be/hqWcnQ520LQ
Achievements: Winner of KIITFest 2019, MeitY Tide NIT Silchar round, 2020
- **NumCuts**, a GUI tool to set up custom shortcut keys to script tasks, built using *C++*, containing a *HTML/CSS based GUI*, built with *NodeJS + ElectronJS*:
Source Code/Releases: www.github.com/Dhi13man/NumCuts
- **CV-Gesture-Control**, a project to build a *dataset and ML model* to detect hand shapes in real time with *Computer Vision*, to control the PC.
Demonstrations: www.github.com/Dhi13man/CV-HandGestureControl ...and more.

COURSES AND CERTIFICATIONS:

- Deep Learning Specialization by deeplearning.ai • Machine Learning A to Z by SuperDataScience Team • Deep Learning A to Z by SuperDataScience Team • Computer Vision - Object Tracking Project with OpenCV by Coursera • Generative Adversarial Networks (GANs) Specialization • AWS Computer Vision: Getting Started with GlueCV