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: RTU TEQIP-III Sponsored Poornima Hackathon, 2021*

• *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 and Innovation based events all over the country.*

SKILLS:

• *Flutter + Dart based Development*
• *Deep Learning Specialization*
• *Python / C++ / JavaScript*
• *REST / GraphQL, API design and usage*
• *IoT with Wi-Fi, BLE, RF Communication*
• *Computer Vision*
• *Machine Learning*
• *HTML / CSS*
• *MATLAB*

CONTACT:

PHONE:
+91-7002451664
+91-7577861821

PORTFOLIOS:
www.github.com/dhi13man
www.linkedin.com/in/dhi13man

LOCATION:
Guwahati, Assam, India

EMAIL:
dhiman.seal@hotmail.com

DHIMAN SEAL
INNOVATION AND IOT ENTHUSIAST

WORK EXPERIENCE:

System Design and Cross Platform App Development • Contract • **_Greenline World_**
April, 2021 – July, 2021
Work involves designing databases, IoT transaction models for a custom Food Vending Machine, and facilitating user interaction with the machine, by developing a Cross Platform Application.

IoT Ideation and Development • Co-Founder • **_Eminence Robotics_**
October, 2018 – Present
A start-up focusing on product development, possessing accolades in Robotics, Innovation based events across the country. We also help organize tech events and training in multiple colleges.

Cross-Platform Full-Stack Development • Freelance Work in various National and International Startups

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
Achievements: Winner of Technex, 2021; Winner of E-Hackathon by ASTEC, Startup Assam, 2021

• **_nordigen_integration_**, an Open-Source, null-safe, Dart/Flutter Package for easy Nordigen API Integration with relevant Data Models, proper encapsulation with the exposing of parameters, and succinct documentation.
Release: https://pub.dev/packages/nordigen_integration/

• **_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 python project to build a *dataset and Image Processing + ML model* to detect hand shapes in real time with *Computer Vision*, to control the PC.
Source Code/Demo: 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 GluonCV*