

Parismita Das

Website | Github | LinkedIn
das.parismita@gmail.com | Contact No: +91 9435660716

EDUCATION

IIT GUWAHATI | BTECH IN ENGINEERING PHYSICS
Minor in Electronics Communication Engineering

2015-19 | Guwahati, India

WORK EXPERIENCE

IRONA, AN AUTONOMOUS CLEANING ROBOT | POBOT LABS

July, 2019 - Nov, 2019

- Built computer vision module of Irona consisting of static object detection and obstacle avoidance using R-CNN.

TRADE INFORMATION MANAGEMENT SYSTEM | CITICORP SERVICES

May 2018 – July 2018

Software Engineering Intern

- Created dashboard to help the makers and checkers for processing the trade related documentations using Angular and REST services.

MAXIMUM MARGIN INTERVAL TREES | THE R FOUNDATION FOR STATISTICAL COMPUTING

2018

Google Summer of Code Internship

[\[GSoc\]](#) | [Documentation](#) | [Github](#)]

- Created R Package using Partykit, to implement Regression Tree, Pruning, Adaboost and Random Forest along with Cross-Validation.

RESEARCH EXPERIENCE

RECONSTRUCTION OF EM SHOWER AND π^0

Aug 2017 – May 2019

Advisor: Prof. Bipul Bhuyan

[\[Link\]](#)

- Reconstruction of gamma showers in neutral pion π^0 decay using Pattern Recognition and Machine Learning in near detector Electromagnetic Calorimeter.

PROJECTS

RAMAN, THE HUMANIOD | 4I LABS, IIT GUWAHATI

May 2017 – 2020

- An computer vision and speech aided Social Upper-Body Humanoid.

[\[Github\]](#) | [Webpage](#)]

DIGITAL NOTICE BOARD | FOR ANDROID TV

Jan 2018

- Built a simultaneous multi-screen display supporting images/videos/text notices using Android and PHP.

[\[Github\]](#)]

OPEN SOURCE

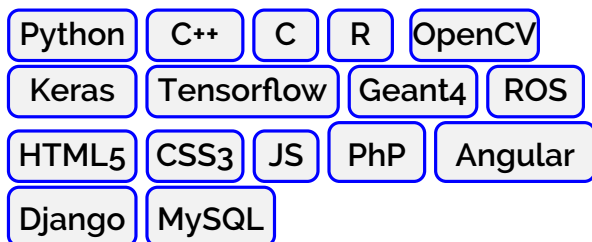
THE R FOUNDATION FOR STATISTICAL COMPUTING | INTERVAL REGRESSION PACKAGE MMIT

[\[Github\]](#)

CLOUDCV | EVALAI, A PLATFORM FOR HOSTING AI CHALLENGES

[\[Github\]](#)

SKILLS



COURSEWORK

COMPUTER SCIENCE Advanced Machine learning
Pattern Recognition and Machine Learning
Game Theory
ELECTRONICS Digital Signal Processing
RTL and Microprocessors
Communications
OTHERS Human Resource Management

POSITION OF RESPONSIBILITY

Head of Project Raman, The Humanoid, Robotics Club, 4i Labs, IIT-Guwahati. 2017-19

Project Manager at Robotics club, IIT-Guwahati. 2017-19