Parismita Das

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

EDUCATION

IIT GUWAHATI | Btech in Engineering Physics   2015-19 | Guwahati, India
Minor in Electronics Communication Engineering

CHANDERBALA MODI ACADEMY | Senior Secondary, CBSE Board, Science   2015 | Gujrat, India

WORK EXPERIENCE

IRONA, AN AUTONOMOUS CLEANING ROBOT | Pobot Labs   July, 2019 - Nov,2019
- Computer vision module of Irona consist of static object detection and obstacle avoidance

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 IN THE DUNE ND ECAL   Aug 2017 – May 2019
Bachelor's Thesis, IIT Guwahati   Advisor: Prof. Bipul Bhuyan
- Reconstruction of gamma showers in neutral pion decay using Pattern Recognition and Machine Learning.   [Project Page]

PROJECTS

RAMAN, THE HUMANIOD | 4i Labs, IIT Guwahati   May 2017 – 2020
- An Computer Vision and Speech aided Social Upper-Body Humanoid.   [Github | Website]

DIGITAL NOTICE BOARD | for Android TV   Jan 2018
- A Simultaneous Multi-Screen Display supporting Images/Videos/Text Notices.   [Github]

OPEN SOURCE

THE R FOUNDATION FOR STATISTICAL COMPUTING | Interval Regression package MMIT   [Github]

CLOUDCV | EvalAI, A platform for hosting AI Challenges   [Github]

SKILLS

Programming Languages   C++, C, Python, R, Android*, Java*
Database management   MySQL, Django
Software Packages   OpenCV, Theano, Keras, Tensorflow, Pytorch*, Geant4
Middle-ware   Robot Operating System (ROS)
Web Technologies   HTML, CSS, JavaScript, Ajax, JQuery, PHP, Angular
* Elementary proficiency

COURSEWORK

Computer Science   Advanced Machine learning (Deep Learning), Pattern Recognition and Machine Learning, Game Theory, Introduction to Computing
Mathematics   Linear Algebra and Real Analysis, Differential Equations, Complex Analysis, Partial Differential Equations, Discrete Maths