Parismita Das

Website | Github | Linkedin | Gmail

EDUCATION

IIT BOMBAY | MTECH IN COMPUTER SCIENCE   2022-24 | Mumbai, India

IIT GUWAHATI | BTECH IN ENGINEERING PHYSICS   2015-19 | Guwahati, India
Minor in Electronics Communication Engineering

WORK EXPERIENCE

QRITEEK APP | ES MAGICO   May, 2022 - July, 2022
- An app to rate and recommend other people anonymously. Built apis for modules such as feedback, profile, leaderboard using NodeJS and database using mongo.

USTART APP | ES MAGICO   Jan, 2022 - May, 2022
- A social media platform for startups and investors. Built apis for modules such as jobs, resources, posts and profiles using NodeJS and database using mongo.

VIDYAKUL APP - BACKEND | ES MAGICO   July, 2021-Jan, 2022
- Built features such as live-classes, refer and earn using typeORM and nodeJS.

IRONA, AN AUTONOMOUS CLEANING ROBOT | POBOT LABS   July, 2019 - Nov,2019
- Built computer ision 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

DRUGPEDIA | WIKI OF MEDICINES   Sep 2022 – Nov 2022
- A web application displaying information about medicines and its ingredients   [Github]

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]
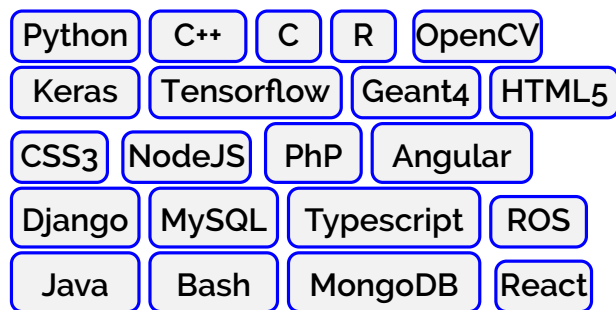
OPEN SOURCE

THE R FOUNDATION FOR STATISTICAL COMPUTING | INTERVAL REGRESSION PACKAGE MMIT   [Github]

CLOUDCV | EVALAI, A PLATFORM FOR HOSTING AI CHALLENGES   [Github]

SKILLS

Python · C++ · C · R · OpenCV
Keras · Tensorflow · Geant4 · HTML5
CSS3 · NodeJS · PhP · Angular
Django · MySQL · Typescript · ROS
Java · Bash · MongoDB · React

COURSEWORK

COMPUTER SCIENCE   Advanced Machine learning
Pattern Recognition and Machine Learning
Implementation Techniques for Relational
Database Systems
Design and Engineering of Computing Systems
Process Engineering
Game Theory and Economics
Discrete Mathematics
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