

Rishab Mallick

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EDUCATION

ST. THOMAS COLLEGE OF ENGINEERING & TECHNOLOGY | B Tech CSE

2018 - 2022

GPA: (10-Point system) 8.59, Electives: Artificial Intelligence, Pattern Recognition, Image Processing, Numerical Methods, Soft Computing, Operations Research, Machine Learning

KENDRIYA VIDYALAYA FORT WILLIAM | TILL CLASS 12TH CBSE

2006 - 2018

GPA: (100-Point system) 86.5

EXPERIENCE

GOOGLE SUMMER OF CODE | STUDENT SOFTWARE DEVELOPER

Jun 2021 – August 2021

- Researched and created an automated framework for genomic data extraction from C. Elegans papers for WormBase using hybrid combination of regular expressions, dictionary of terms and BERT NER.
- Slashed the former biocuration timing of hours to few minutes, and also discovered new data from old papers previously missed during manual curation.

CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING | RESEARCH INTERN Apr 2021 – Jun 2021

- Worked with the image processing team on designing a mask compatible facial recognition system implemented for low-end devices using Python/TFLite.

MYRAA TECHNOLOGIES | AI SOLUTIONS INTERN

Sep 2020 – Mar 2021

- Crafted a custom object detection model for wearable low-end devices using Python/TFLite/Java/Android Studio.
- Designed an end-to-end online exam proctoring pipeline from scratch consisting of facial recognition, eye tracking, lip movement check and gadget detection.
- Few other proofs of concepts - Programmed an engineering drawing comparison tool for universities using image processing techniques, engineered a car damage diagnosis system using Pytorch hooks, and explored usage of privacy-preserving deep learning using PySyft.

TATA STEEL | DATA ANALYST TRAINEE

Aug 2020 – Sep 2020

- Coded scripts to remove discrepancies in geographical data for the local dealers using mapping APIs.

AWARDS

DR. APJ ABDUL KALAM IGNITE AWARD NATIONAL INNOVATION FOUNDATION | Nov 2015

Received IGNITE 2015 award by the former President of India, Pranab Mukherjee, for the idea 'Pay as you weigh' - one of 31 innovations selected from across India. Patent ID: 1189/KOL/2015

REGIONAL WINNER OF ZOOHACKATHON WWF | Nov 2019

Awarded for engineering best solution to curb wildlife trafficking among 12 other finalists.

FINALIST OF ACM INDIA EAST HACKATHON ASSOCIATION OF COMPUTING MACHINERY | FEB 2020

Recognized for building an app for live sign language prediction during a 24-hr hackathon - one of 10 finalists from east India.

SKILLS

PROGRAMMING

RELEVANT COURSEWORK

Pytorch, Tensorflow, SQL, Python

Deep Learning Specialization by DeepLearning.AI

Mathematics for Machine Learning Specialization by Imperial College London

Fundamentals of Reinforcement Learning by University of Alberta

Sample-based Learning Methods by University of Alberta

Data Science Math Skills by Duke University

M001: MongoDB Basics by MongoDB University