

# Rishab Mallick

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## EDUCATION

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### St. Thomas' College of Engineering and Technology

*Bachelor of Technology in Computer Science & Engineering, GPA: 8.59*

2018 – 2022

### Kendriya Vidyalaya Fort William

*Till 12th, GPA: 86.5%*

2006 – 2018

## EXPERIENCE

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### Google Summer of Code

June 2021 – August 2021

*Student Software Developer*

- 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

April 2021 – June 2021

*Research Intern*

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

### Myraa Technologies

September 2020 – March 2021

*AI Solutions Intern*

- Crafted a custom object detection model for wearable low-end devices using Python/TFLite/Android Studio/Java
- 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

August 2020 – September 2020

*Data Analyst Intern*

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

## AWARDS

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### Dr. APJ Abdul Kalam IGNITE Award | *National Innovation Foundation - India*

November 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*

November 2019

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

### Finalist of ACM India East Hackathon | *Association of Computing Machinery*

February 2020

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

## TECHNICAL SKILLS

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**Programming:** Pytorch, Tensorflow, SQL, Python

**Elective courses:** Artificial Intelligence, Pattern Recognition, Image Processing, Numerical Methods, Soft Computing, Operations Research, Machine Learning

**Relevant MOOCs:** 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