

Rishab Mallick

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EDUCATION

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

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

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

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