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Summary

The intersection of physics, robotics, and software engineering, with a dash of design.

Skills

Platforms

BostonDynamics Spot · ROS/2 · Embedded (ARM) · GCP · Node.js · Docker · Bootstrap

Languages

C/C++ · Python · JS/TS · Java · Rust · sh

Data/ML

numpy · OpenCV · OpenAI · NCNN · Leica Cyclone · MongoDB · SQL

Recognition

Teenage Prodigy :: IIT-KGP

2018

Certificate of Merit ::

National Mathematics Talent Contest

2017

Special Mention (4th place) ::

HP CodeWars

2019

National Finalist, Space

Settlement Design ::

International Space Society

2015

Regional Winner :: National

Science Fair

2014

Interests

Piano · Photography · Bad Puns

Romir Kulshrestha

student of everything

Experience

YES!Delft :: Robotics Engineer

SEPTEMBER 2021 - PRESENT

Conceptualizes and develops real-world applications of robotics for real-world clients. Real cases include the development of an autonomous scanning system for greenhouses for genetic research and a system for the autonomous inspection of construction sites.

HUMANISE :: Computer Scientist, Mars Rover Project

AUGUST 2023 - PRESENT

Developing the software and control systems for the Humanise Rover, pioneering human-robot interaction with the use of BCI.

AI for Retail AIRLab :: Robotics Engineer

AUGUST 2022 - JANUARY 2024

Architect and developer of software for the BasketBuddy, a robot that automates the relocation of baskets within retail stores in a human-friendly manner.

Cisco Talent Outreach :: Intern

AUGUST 2018 - FEBRUARY 2019

Participated in a 6-month long program where school students collaborate with Cisco mentors to build a technology solution. Designed a school event scheduling system called "event.horizon" using the MEAN stack. Presented the project to Cisco leaders at the end of the program.

CERN :: Research Trainee

JUNE 2018

Participated as a trainee in an on-campus program at CERN for high school students with a focus on particle detectors.

Education

TU Delft :: BSc. Computer Science and Engineering

2020-2025 (ONGOING)

- Variant: Systems
- Minor: Robotics

NPS Koramangala :: XII CBSE

2018-2020

- Conducted a workshop on ML/NN from scratch
- Co-organized NPSK Hack 2019 and other interschool events
- Co-founded the school's first competitive programming club
- Built software for student council elections, still in use