

Rakshit Jha

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EXPERIENCE

FIFTHROW TECH | SOFTWARE ENGINEERING INTERN

June 2020 – Sep 2020 | London, UK

- Automated the colo release process reducing release time to few seconds.
- Developed Python Client Library for WebSocket API for the exchange.
- Developed Discord Support Bot to answer FAQs.
- Scripted in kdb+/q + Python to generate reports for DMMs.
- Developed a twitter bots to perform multiple actions like short term price forecast, trend following, sentiment analysis on BitCoin volatility.

RESEARCH

GLOBE RESEARCH | RESEARCHER

Nov 2019 – May 2020 | Cambridge, UK

Worked with **Mattijs De Paepe** and **Samuel Holt** to forecast short term price movements of cryptocurrencies using Conv1D ResNET model.

COURSEWORK PROJECTS

INTEGRATED DESIGN PROJECT | SOFTWARE TEAM

- Developed the algorithm to move and detect and retrieve the object in the playfield using ultrasonic sensor and infrared sensors.
- Ranked 3rd amongst all groups in the competition.

CLUBS AND ACTIVITIES

CAMBRIDGE UNIVERSITY ROBOTICS SOCIETY | SOFTWARE TEAM

Oct 2018 – March 2019 | Cambridge, UK

- Involved in various projects in the society.
- Worked on the drone project regarding the navigation and uplift.

HEYWOOD SOCIETY | TECHNICAL DIRECTOR

April 2019 – March 2020 | Cambridge, UK

Supervised the technical aspects of college plays from lighting, sound, props, etc. Involved in committee discussions for allocation of funds to plays.

AWARDS

| | | |
|------|-----------------------|---|
| 2019 | 3 rd Place | Integrated Design Project |
| 2019 | Exhibition Prize | Peterhouse, Cambridge |
| 2018 | 99.5% Percentile | JEE Advanced |
| 2017 | National | National Standard Examination in Physics Finalist |
| 2017 | State | Regional Mathematics Olympiad |

EDUCATION

UNIVERSITY OF CAMBRIDGE

MENG IN INFORMATION ENG.

Oct 2018 – Jun 2022 | Cambridge, UK

1st Year: 2.1

2nd Year: Pass

NEERAJA MODI SCHOOL

Grad. May 2018 | Jaipur, India

LINKS

Github:// [rkj26](#)

Kaggle:// [rkj313](#)

COURSEWORK

UNDERGRADUATE

Inference

Statistical Signal Analysis

Information Theory and Coding

Data Transmission

Computer Graphics

Mathematical Methods

SKILLS

PROGRAMMING

Over 5000 lines:

Python • Java • Matlab • \LaTeX

Familiar:

kdb+/q • JavaScript • C++ • MySQL
Bash