Rohan Raj Kansal

3rd Year (B.Tech)
Computer Science & Engineering
at IIT Mandi
CGPA:8.82 till 4th Sem

B-18, IIT Mandi, Himachal Pradesh
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Links

Github: **BeingHomosapien**
Twitter: **RRK_2514**
LinkedIn: **Rohan Raj Kansal**
Portfolio: **Github.io**

Skills

OS
GNU/Linux, Windows

LANGUAGES
C/C++, Java, Python, Javascript, C

FRAMEWORK
Flask, ExpresstJS, Node.js, Tensorflow,
Keras, Web-development

DATABASES
MySQL, Redis, MangoDB

OTHERS
Markdown, LaTeX Git,
Sublime Text, Eclipse,
MATLAB, Robotic Operating System(ROS)

Coursework

Data Structures and Algorithm
Advanced Deep Learning
Discrete Mathematics
Applied Databases Practicum
Information and Database Systems
Data Science (1, 2 and 3)

Education

2019-2023
B.TECH. IN CSE
IIT Mandi
CGPA : 8.82/10(till 4th Semester)

2017-2019
HIGH SCHOOL
Budhal Dal Public School, Samana
Percentage: 95.4%

Side Project

JAN 2021- FEB 2021 **Self Driving Car Simulation   Unity, Genetic Algorithm**
A simulation of a self driving car made in unity with the help of optimization using genetic algorithm. the neural network takes in three values from distance sensors and output the values of acceleration and turn.
Link to the Repo

APRIL 2020-MAY 2020 **Local Libraray System   WebD, MySQL, ExpressJS**
A local library system that was made online. Use can issue and return books while the admin can add the books as well. Made use of MySQL database to store the data and back-end made using ExpressJS.
Link to the Repo

JAN 2021-JAN 2021 **Chat Bot For College freshers   NLP, BERT - Transformer**
This was made to help the freshmen clear there queries about the college. We created a custom dataset. Using pre-trained BERT and fine tuning it for our dataset.
Link to the Repo

MAY 2021 **Implemented OAuth   WebD, OAuth, ExpressJs**
Implemented Open Authorization with two strategies, Google-OAuth and Local Strategy. The back-end was made in ExpressJs. MonogoDb was used as the Database for this.
Link to the Repo

FEB 2021 **Air Pen   OpenCV, Python**
Used OpenCV to detect a color marker and use that marker to draw in air that will be shown on a canvas. The color of the marker that you want to detect can be configured.
Link to the Repo

Position of Responsibility

MAY 2021- JUNE 2021 **Head of Web Development Team of Technical Fest**
Was appointed as the head of Web Development team of Pukaar - the Technical Fest of IIT Mandi

MAY 2020 - JUNE 2021 **Maintainer of Robotronic Club Website, IIT Mandi**
Assistant Developer and later the maintainer of the robotronics club website at IIT Mandi.
Link to the Webiste

SEPTEMBER 2020 - JUNE 2021 **Core member of Programming Club, IIT Mandi**
Link to the Website

SEPTEMBER 2020 - JUNE 2021 **Core member of Robotronics Club, IIT Mandi**