

Aryaman Jain

Sophomore @ Computer Science and Engineering, IIT Kharagpur

EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

DUAL DEGREE IN COMPUTER SCIENCE AND ENGINEERING

CGPA: 9.17/10

2018-2023 | West Bengal, India

INTEREST AREAS

I love to learn new things and it is one of the reasons to choose Computer Science as it never fails to surprise us with new things.

I started doing machine learning after trying different areas of software engineering and instantly fell in love with it. I am mainly interested in applications of machine learning and deep learning in real life.

Other than machine learning I also know web development.

CONTACT

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LINKS

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COURSEWORK

T - Theory | L - Laboratory

COMPLETED

Programming & Data Structures (T/L)

Discrete Structures (T)

Algorithms-1 (T/L)

ONGOING

Software Engineering (T/L)

Formal Language & Automata Theory (T)

Switching Circuits & Logic Design (T/L)

Probability and Statistics (T)

ONLINE COURSES

Deep Learning - Andrew Ng

Convolutional Neural Networks

Deep Neural Networks with PyTorch

PROJECTS

BLOG WEB APP

- Made a Web App with flask based back-end and HTML,CSS,JavaScript based front-end. Used SQLAlchemy for storing database.

IMAGE CLASSIFIER CONVOLUTIONAL NEURAL NET

- Made a image classifier on CIFAR10 using deep learning.
- Used Convolutional Neural Net architecture with the help of PyTorch library.

PATH PLANNING AGV TASK ROUND

- Optimized multiple data structures and path finding algorithm(Dijkstra) to find a solution for a given maze, with multiple constraints towards emulating a real car. Implemented in p5.js.

GENERAL CHAMPIONSHIP DATA ANALYTICS INTER-HALL

- Implemented ARIMA Model on the given time series data to predict future results.
- Gave important inferences about the data.

TECHNICAL SKILLS

Programming Languages

Libraries / Frameworks

Databases

Systems / Platforms

Web Technologies

C | C++ | Python | JavaScript | GNU Octave (Familiar)

Pytorch | Pandas | Flask | OpenCV | Numpy | sklearn |

SQLAlchemy

Git | Linux

HTML+CSS | BeautifulSoup

ACHIEVEMENTS

- Codechef : 4 star rating competitive coder on Codechef platform.
- Facebook Hacker Cup: Participated and cracked first round in Facebook Hacker Cup 2019.
- Google Code Jam : Participated and cracked first round in Google Code Jam 2019.
- JEE Advanced AIR 376: Under top 0.16% amongst more than 2,00,000 students
- JEE Main AIR 20001: In top 0.15% amongst more than 12,00,000 students.

ACTIVITIES & LEADERSHIP

- *Core Team Member, ProDex*: Society of people having enthusiasm towards Product Designing.
- *Product Designing Involvement*: Part of Product Design team of my hall.
- *Data Analytics*: Part of Data Analytics team of my hall.
- *Mentor*: Mentored a team of 4 students regarding Product Design competition.
- *Secretary*: Managed several hall events related to technology in my hall.