

ASHUTOSH GARG

Final Year UG, IIT Ropar & Minor in CSE

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EDUCATION

IIT Ropar

Bachelors Degree in ME | Minor in CSE

📅 2018 – 2022(Expected) 📍 Rupnagar, Punjab, India

- CGPA: 8.61/10

EXPERIENCE

Data Science Intern

Decimal Point Analytics

📅 May 2021 – July 2021

- Worked on task of extracting tabular data from images using Deep Learning.

PROJECTS

Capstone Project (NDT using ANN)*

- Developing a Deep Learning Neural Networks Based model to perform Non-Destructive Testing tasks in a more efficient & economic way.

Employee Leave Management & Public Profile Portal

- Website for Company/Institute to manage the leave applications.
- Employee has a public profile which is editable after logging in.
- Used SQL Database for Leave Management and MongoDB for managing the information on Public Profile. NodeJS used as an Backend.

Tabular Data extraction from images using Deep Learning

- Worked on the text recognition pipeline.
- Learned about the modern NLP techniques like transformers, encoders and attention models.
- Fine-tuned different state of the art Models.

Implementation of Different State of Art Algorithms

- Minimum Cost Arborescence.
- Johnson's Algorithm
- Several other graph algorithms like Bellman Ford, Dijkstra's Algorithm.

CNC Machining Error Reduction using Deep Learning Models

- Python based project
- Implemented different regression models to fit the data-set
- Filtered the data-set using correlations and other observation techniques using heat-maps

Minor Projects:

- Robocon 2020, ABU Asia Pacific Robot Contest participation.
- Mechanical Engineering opportunities website for IIT Ropar.
- Image Collage Maker based on the boundary similarities.

TECHNICAL SKILLS

Languages:

C

Python

C++

MATLAB

WebD:

HTML

CSS

JavaScript

Bootstrap

NodeJS

MongoDB

SQL

ML:

Tensorflow & Keras

Pytorch

RELEVANT COURSES

DBMS

DL for Physical Systems

Data Structures & Algorithms

Calculus

Probability Statistics

Operating Systems*

Artificial Neural Networks*

Computer Vision*

LANGUAGES

English, Hindi, Punjabi

ACHIEVEMENTS

- Merit Scholarship holder for 2 consecutive semesters(Top 7% in IIT Ropar 2018 Batch).
- AIR 5581 & AIR 5493 in JEE Advanced & JEE Mains Respectively.
- First Runner up of HY-Contest'19 On Modeling the Hydrogen Refueling Station for Heavy Duty Bus Applications

POR'S

- Coordinator of Automotive Club for AY 2020-2021.
- Event Head of "Off Road Asphalt" in Advitya'20.

MISCELLANEOUS

- **Startup Experience:** Co-founder of Carnot Education LLP .