

DARSH KACHROO

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Instagram-@darsh_kachroo

Youtube-www.youtube.com/@AWESOMEEVERYDAY101

Professional summary

Having done a variety of projects not only those included here, I believe that I am capable in my abilities as a Software and Data analyst. I have a strong desire and discipline for my goals and dreams expressed through my various projects on Artificial Intelligence and the self-study needed for it. I would love an opportunity to build upon them further.

Education

Bachelor in Technology in Electronics and Computer Engineering

- Vellore Institute of Technology, Chennai campus
- 2022 - 2026

Aakash Coaching

- Aakash Kachhi chawni, Jammu & Kashmir
- Taken Adv. Physics, Adv. Math and Adv. Chemistry.
- 2020-2022

High School Diploma

- K.C.Public School
- Taken Physics, Chemistry, Math, Biology and English as core subjects and Physical Education as additional aka PCMB.
- 2014 - 2022

Projects

- **Rainfall Prediction AI** - To investigate predictions based on the rainfall data and understand how we can improve on current methods to better locate natural disasters.
- **AI NPM Package** - This is an easy to use Neural Network package with SGD using backpropagation as a gradient computing technique.
- www.npmjs.com/package/@death_raider/neural-network
- **Autonomous Minecraft AI** - I use bounding box and Instance segmentation to precieve the minecraft world as a human would.

Skills

Python

- Worked with python for 4+ years.
- Done frameworks including but not limited to, Tensorflow, Pandas, Numpy, Keras and, Matplotlib.
- Familiar with Image processing and Augmentation, Neural Networks, Convolution Networks (YOLOv5-7).

JavaScript

- Worked with JavaScript for 4+ years.
- Done frameworks such as React and nodejs.
- Created a Node package for lightweight use of neural networks for browser based use.

AI/ML

- Studied Machine Learning and Deep Learning for 3+ years.
- Developed models for various tasks such as Rainfall Prediction, DeepFake detection, Image Segmentation and U-Nets.

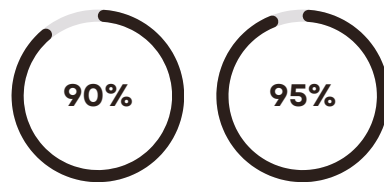
Activities

- Completed Level 1 close combat course
- Participated in various MUN ending in the top 3 position.
- Learnt music for 5 years (instrumental and vocal)
- Completed my High School with one of the most demanding course (PCMB).
- Participated in Maunitva Nirakaran which is an NPO to help students struggling with mental health and to spread awareness about mental health

DARSH KACHROO

SOFTWARE ANALYST

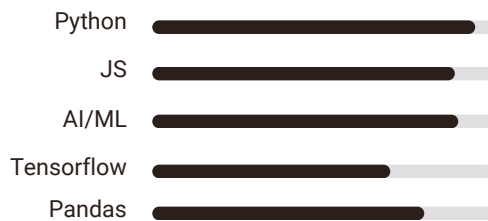
LANGUAGE



English

Hindi

SKILLS



09/09/2004

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- HOSTEL

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<https://darsh-kachroo.netlify.app>

ABOUT ME

Hi, I'm Darsh Kachroo, currently 18 years old. I am an Software Analyst and have also worked on various projects with varying complexity.

EDUCATION

2022-2026

Vellore Institute of Technology

B.Tech - Electronics
and Computer Engineering

2020 - 2022

Aakash Digital

Adv. Math, Adv. Physics,
Adv. Chemistry

2013 - 2022

K.C. Public School

Physics, Chemistry,
Math, Biology

PROJECTS

2021-Present

Autonomous Minecraft AI

I use 2 different AI methods (bounding box and Instance segmentation) to perceive the minecraft world as a human would in attempts to understand how the AI approaches the world.

2020 - 2022

AI NPM Package

This is an easy to use Neural Network package with SGD using backpropagation as a gradient computing technique.

2021 - 2022

Rainfall Prediction AI

To investigate predictions based on the rainfall data and understand how we can improve on current methods to better locate natural disasters.