

# Naman Narula

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## Profile

Passionate machine learning engineer having experience in working with **Computer Vision, NLP & Deep Learning**. Familiarity with ML/DL libraries like TensorFlow, OpenCV, Keras, Numpy, Matplotlib etc. Also having strong technical proficiency in **Linux, Cloud and IoT services** & currently pursuing a bachelor's degree focused on Data Science & Applications from **Indian Institute of Technology, Madras**.

## Skills

### Machine Learning

*Regression, Classification, Anomaly Detection, Object Detection, NLP, CNN, RNN*

### Programming

*Python, JavaScript/TypeScript*

### IoT

*Raspberry Pi, Node-RED, IFTTT*

### Linux/CLI

*Basic CLI commands including SSH, File & User Management, Scripting, Text Editing etc.*

### Libraries

*Tensorflow/Keras, Numpy, Pandas, Matplotlib, OpenCV etc.*

### Amazon Web Services (AWS)

*EC2, EBS, EFS, VPC, RDS, S3, SQS, SNS, Lambda etc.*

### Web Development

*HTML, JS, CSS & WordPress*

### Other

*Git, Docker, Jenkins, MongoDB, Redis, Jira*

## Projects

05/2019

### VisiORAL: Human Eye for the Visually Impaired

A project aimed at transforming the visual world into the audio world for the blind and making them aware of the objects around them using Google's Cloud Vision API & a Raspberry Pi. This project has received over **250,000** views and **6000** likes across LinkedIn.

"**The Changemaker**" plaque was awarded by Dr. Amita Chauhan, Chairperson - Amity Group of Schools, in appreciation of the outstanding innovative approach to this project.

Also bagged a **gold medal** in an inter-school competition in NCR & the **first position with a cash prize** in the District Science Exhibition organised by the state government.

05/2021

### Rock Paper Scissors with TensorFlow

A model trained with TensorFlow to recognise hand gestures, and to play rock-paper-scissors against the computer.

- 05/2020 **Smart Watchman using real-time Vision AI tech.** [↗](#)  
A module developed using NVIDIA's Jetson Nano & DeepStream SDK, which is an end-to-end AI-powered SDK built to analyze real-time video and sensor data. This module alarms the owner the moment their vehicle goes out of the camera's sight. This can also be used in many other places, tracking a number of things and reducing human intervention.
- 03/2018 **namantechlabs.com** [↗](#)  
The first website that I built at the **age of 13**; and authored over 15 articles relating to PC building, hardware & IoT.

## Professional Experience

- 11/2020 **Teen Intern**  
*FamPay* [↗](#)  
FamPay is a fintech start-up focused on online and offline card payments for teenagers and has raised over \$40 Million in funding from various VCs. I have worked alongside their business development team to curate engaging content for social media reach and influence, and contributed to organising, and partnering with influencers for FamJam 2.0, India's largest digi-fest for teens.  
**Letter of Recommendation** [↗](#)
- 06/2019 – 07/2020 **Freelance Website Development**  
*Fiverr*  
Worked with customers from the UK and the US to understand needs and build them websites with WordPress or update their existing ones.

## Courses/Certifications

- 05/2021 **Introduction to Tensorflow for Artificial Intelligence, Machine Learning and Deep Learning** [↗](#)  
*DeepLearning.AI*
- 08/2020 **AWS Certified Solutions Architect - Associate 2020** [↗](#)  
*A Cloud Guru; Udemy.com*
- 08/2020 **Fundamentals of Digital Marketing Certification** [↗](#)  
*Google; Certificate ID: C5K 3HQ U4Q*

## Education

- 2022 – 2026 **Bachelor of Science (BS) in Data Science & Applications**  
*Indian Institute of Technology, Madras*
- 2022 **12th Grade - Science + Mathematics**  
*Govt. Sr. Secondary School, Gurugram*
- 2020 **10th Grade**  
*Amity International School, Gurugram*