

# Ryan Rana

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WARREN, NJ

## EXPERIENCE

### FOUNDER/DEVELOPER OF COURSE TURTLE - 2021 - PRESENT

Founder and Programmer of an Internet Startup that allows teachers and students to share their school schedules online within their school community to make it easier for students to network with one another. Developed in HTML and PHP. Hosted with AWS.

### FULLSTACK FREELANCE DEVELOPER – 2019 - PRESENT

Completed many projects for clients online with the use of various platforms and general contact. Projects included personal websites, company websites, Stock Prediction and Sports Prediction with Machine Learning. I also edited articles for business professionals.

### TEACHER AT BRICKS 4 KIDZ – 2020 - 2021

Taught and Assistant Taught EV3 Programming, Scratch(Block Programming), and Python to 4th-5th graders during summer camp programs.

## PROJECTS

### INSEM CAMERA FOOT TRAFFIC COUNTER

An ML project that scrapes live cam video addresses from [insecam.org](http://insecam.org)(Online Free Public Directory of Security Cameras) and counts and detects people in each frame using the YOLO database.

### DIGITAL VISION

Digital Vision is a wearable technology built to assist the blind in their routine. Using a raspberry pi coded with python it takes live videos from a small camera and uses an object detection module from the YOLO package to report objects in front of the user through a pair of iPhone earbuds.

### WHRHS NEW TAB EXTENSION

An extension was used to override a new tab to create a custom page to help students at WHRHS(High-school). It provides links to the 8 most used links that students use. It also displays the live time and logo. This makes it easier to get work done in school. It is pre-installed on all 3000 chrome books.

## EDUCATION

### WATCHUNG HILLS REGIONAL HIGH-SCHOOL, WARREN NJ - 2024

President of Project Development at Computer Science Club, FPSPI (Executive), High Honor Roll, Student Newspaper(Technologies/Interview Writer), TedX (Speaker)

## SKILLS

- Machine Learning
- PHP / MySQL
- Python
- Xcode, Swift, IOS Development
- Web Dev (HTML, JS, CSS, React JS)
- Computer Vision
- Statistics
- Numpy, Sckit-learn, Matplotlib