Ryan Rana

Student/Developer specializing in Computing Linguistics and Full Stack Development

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Warren NJ
https://ryanrana.github.io/

Work Experience

Scientific Researcher
JAN 2023- PRESENT
Warren NJ

Worked with a partner and PHD Student to publish research for Helios: A groundbreaking project allowing the visually impaired to localzie and recognize 3D objects in a real-time enviorment

Software Engineer
JUL 2022 - SEP 2022
Populus, Austin

Working on the development of the UI and Mongo DB backend of Populus Trading App as part of a CI/CD pipeline in a small group of specialized designers. Updated Layouts and Feeds on Expo Development.

Software Intern
MAY 2022 - Aug 2022
Datanexxt, NYC

Software Intern working on deploying IT infrastructure with the latest technologies for cost, efficiencies, and agility. Provided Tech Solutions to small companies and handpicked individuals.

Founder/Developer
AUG 2021 - PRESENT
Course Turtle, Warren NJ

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.

Technical Writer
JUL 2021 - PRESENT
Remote

Writing Articles once a week on various topics within Computer Science including AI, Python, Web Development, and Computional Linguistics.

Part-time Teacher
JUN 2019 - PRESENT
Summit, Edison, Berkley Heights NJ

Lead Instructor and Assistant Insutructor - Taught EV3 Programming, Scratch (Block Programming), and Python to 4th-5th graders during B4K summer camp programs.

FullStack Freelance Developer
AUG 2019 - PRESENT
Remote

Completed many projects for clients online with the use of various platforms and general contact. Projects included personal websites, company websites, as well as Stock Prediction and Sports Prediction with Machine Learning. I also edited articles for business professionals as well as private programming lessons for people ages ranging from 9-35.

Skills & Competencies

UI/UX Design
Python (AI focused)
Computer Vision / NLP
React JS
Web Development
Databases
API Integration
Hardware computing / Haptics
Team collaboration

Tools

Figma | Amazon AWS | Visual Studio
Jupyter Notebook | Firebase | Mongo DB
Canva | Repl.it | XXAMP
Notion | Wix | Github Pages | Go Daddy
Google Cloud | Arduino | Raspeberry Pi
XCODE |

Education

Diploma
SEP 2020 - JUN 2024
Watchung Hills Regional High School, Warren NJ

TEDxWHRHS (Speaker)
Computer Science Club(President),
FPSPI (President)
WHRHS Science Fair (Steering Head)
Model UN (Award Winning)
Student Newspaper(Interview and Technologies Writer)
FBLA
Economics

Languange

English	Spanish	Hindi
Native	Moderate	Moderate