Radha Krishna Jonnavittula (RK)

Email: rjonnavittula@gmail.com   Website: https://radha.fyi

Education

Nine Education (Sri Akash Jr. Kalasala) – Hyderabad, India   **May 2023 (expected)**
Grades 11 & 12

Bharatiya Vidya Bhavans Public School – Hyderabad, India   **May 2021**
Grades 2 - 10

Selected Projects

WatchBot – (TiE Young Entrepreneurs)
- Developed an OpenCV based pipeline to scan for a student's facial characteristics in Python
- Trained a Convolutional Neural Network to identify the student's mood using facial expressions
- Deployed this pipeline with online lectures on Zoom to identify student engagement

Task Automator
- Developed a Python based application to summarize documents using the Google Docs API
- Used Google API to automatically reply to incoming text messages based on the computer's profile
- Utilized Raspberry Pi to create a local area network and attached storage to share files

Prompt based Task Assistant (CampK12)
- Utilized CampK12's language API to translate sentences between given languages
- Developed a quiz game that asked questions from a set of questions and kept track of points earned
- Incorporated the Weather Channel's API to output weather for a given city
- Utilized CampK12'

Achievements

- **TiE Global – Participant with special mention**
  - Received Best Business Model and Maker Faire awards for presenting WatchBot while competing against 8 teams
- **TiE Regionals – First Position**
  - Presented WatchBot and received ₹ 10,000 for securing first position while competing against 7 teams
- **Bhagavad Gita recitation – Third Position**
  - Competed in my high school against 50 other participants

Certifications

- The Indus Entrepreneurs' (TiE) Young Entrepreneurship Program
- CampK12's programming with JavaScript

Extra-curriculars

- Member of the Editorial Board – Bhavan's school Magazine (Magazine designer)
- Member of the Editorial Board – Nine's Freshmen Welcome Activities (Sound Editor)
- Pandemic Food Drive Volunteer

Technology Summary

- **Technologies:** Raspberry Pi, Figma
- **Programming Languages:** Python, Javascript