

Radha Krishna Jonnavittula (RK)

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Education

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

May 2023 (expected)

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

May 2021

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's recommender systems API to recommend movies based on genre

Achievements

TiE Global – Best Business Model and Maker Faire awards

- Received participant with special mention 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