

# Kistappagari Sanketh Kumar

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## EDUCATION

- **Chaitanya Bharathi Institute of Technology** Hyderabad, India  
*Bachelor of Engineering - Computer Science and Engineering (AI- ML); GPA: 9.76* November 2020 - June 2024
- **Abhyaas Junior College** Hyderabad, India  
*Board of Intermediate Education; Percentage: 98.4* June 2018 - March 2020

## SKILLS SUMMARY

- **Languages:** C, Python, C++, JAVA, HTML ,CSS, JavaScript, MYSQL.
- **Frameworks(Basics):** TensorFlow, NodeJS, ReactJS, Bootstrap, Sk-Learn, Tailwind CSS, Flask.
- **MISC:** GIT, WebFlow, Unix/Linux Shell Scripting, API's, TCP/IP Protocols.
- **Courses:** Operating Systems(systems software), Computer Networks, Machine Learning and Algorithms.
- **Soft Skills:** Leadership, Event Management, Mentoring, Public Speaking.

## EXPERIENCE

- **Panace.AI** Remote  
*Software Developer Intern* November 2022 - Present
  - : Created a Nutrition Recommender using **Flask** and **MongoDB** which supplements the current User Food Habits by monitoring the habits for 7 days and extracted the insights using **Content Based Filtering**.
  - : Used the **Count Vectorizer from Scikit-Learn** to find similarity between Groceries and displayed the calorific values along with 10 other essential Nutrients.
  - : Recommended 4 Recipes using **Reinforcement Learning** which enhances the Nutritive Balance in the users.
- **Indian Institute of Information Technology** Hyderabad  
*Research Intern* May 2022 - July 2022
  - : Developed INAI's Web Application using the practice of **Agile Software Model** with a Team of 3 members.
  - : Refactored the User Interface using **Webflow** and improved the traffic on the website by more than **10 percent**.
  - : Collaborated in working with Intel India and Uber for Project **Bodhyaan** which collected around **0.1 Million** Images for Indian Driving Dataset.

## PROJECTS

- **Optimal Placement of EV Charging Stations** Github  
*An effective way to implant stations* October-2022
  - : Modeled a **Bayesian Network** using **ANN's** which can predict the Optimal locations of EV Charging Stations by reducing the Cost and Waiting Time by about **8 percent**.
  - : Optimised the Model considering Distance, VSF and Congestion using **Scipy Minimize Functions** and **Jacobian Matrix** to minimize the **1st Order Derivates** of Distances.
  - : Extended the Development to **25 Node Stations** and **33 Bus Network Systems** of Chandigarh City.
- **Activity Points Tracker** Github  
*One Stop Destination for Activity Points* September-2022
  - : Devised a Tracker using **MERN Stack** which maintains Activity points of **1500+** students of CBIT .
  - : Sustained the Session Management with **JWT Tokens** and Authentication using **PassportJS** and **BcryptJS**.
  - : Digitalised the manual evaluation of documents which decreased the Human intervention by about **50 percent**.

## ACHIEVEMENTS AND ADDITIONAL INFORMATION

- Winners of **Micron Artificial Intelligence Hackathon**, where around 3000 students appeared across India.
- Mentee at **Amazon ML Summer School 2022**, where 3,000 students were screened out of 20,000 applicants.
- Modeled Forecasting House Prices using **Res-Net Architecture** which **ranked 11th** in the **Kaggle** Leader Board.
- Secured **39th place in India**, in an AccioWars led Placement Ready Challenge.
- Represented the State of Telangana and secured **19th place** in the **World Memory Championship, 2017**.
- Student Coordinator for the **Institute's Innovation Council**, Lead for **Anti-Drug Committee** of CBIT.
- **Ranked 39 in India**, in a Coding Challenge carried out by Neo AI.
- Ended up in Level 3 in **Google Foobar Challenge** .
- Campus Ambassador at **Infosys** where 184 were recommended from 81,000 students from **Hack With Infy**.
- Recipient of **LOR's** from The Sparks Foundation for showing stupendous performance in Team Leadership.

## CERTIFICATIONS

- **Programming in Java** Certificate  
*Course from NPTEL*
- **Machine Learning Foundations** Certificate  
*Minor Degree from Udacity*
- **Azure AI Fundamentals** Certificate  
*Microsoft AI-900 Certification*