

CHIDROOP IYYHAPPAN

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OBJECTIVE:

I aspire to pursue my MS in Applied Computing with a focus on Artificial Intelligence. Following graduation, I wish to work on real-world issues through exploratory analysis and predictive modelling with applied AI. My long-term goal is to build a product that will help millions of people and make the world a better place to live. I want to give back to society by helping people improve their quality of life in terms of education and comfort.

EDUCATION:

BE in Computer Science, R V College of Engineering, Bangalore. **CGPA : 9.20**

2016 - 2020

RELEVANT COURSES:

Data Science and Machine Learning, Cloud Computing, Artificial Neural Networks, Database Management Systems, Object Oriented Programming, Theory of Computing, Data structures and Algorithms, Parallel Programming, Operating Systems, Computer Architecture, Computer Networks, Fuzzy Logic, Mobile Application Development

INTERSHIPS:

Software Engineering Intern, Walmart Global Tech India

May 2019 - Jul 2019, Jan 2020 - Jul 2020

During both my stints I designed and developed multiple ML based Models which could predict order cancellation, fraudulent orders and use data at scale.

Chief Consultant, Kapuchin Games

Jun 2018 - Aug 2018

Developed a pipelined solution for gathering and analysing user game data, Created AI based Bots which mimic players in the initial launch of their multiplayer game : drove the engagement up by 43%.

ACADEMIC AND INDUSTRY PROJECTS:

Virtual Reality Lab Team, R V College of Engineering

Jan 2019 - Jun 2020

Lead the VR Lab team at RVCE; Responsible for delivering VR enabled experiences and research:

- Created a Flash flood Simulation for Florida International University, used for Disaster preparedness.
- Devised a research methodology to use VR to improve education for kids with ADHD and we were able to use the head tracking data to analyse the user focus and attention span.
- Created an AI based Pipeline with EEG sensors to collect brain signals and decode them, we used VR as a platform for visual stimulus which formed our baseline training data. Our model was able to distinguish between binary choices and this research could help communication with paralyzed patients etc.

Netscaler Visualizer, Citrix Systems

Mar 2019 - Jun 2020

Developed a multiuser system that accepts infrastructure (LB,VIP etc) configuration logs and generates multiple filtered visualizations powered by D3js. It provided a much needed system for Citrix staff to diagnose user issues.

Baby Cry Translator and Circadian Rhythm Inducer, R V College of Engineering

Jan 2019 - Apr 2019

Two models were created, one of which was trained using a clinical dataset of categorised infant cries and the other LSTM model was trained to create lullabies in order to encourage the creation of human body clocks in neonates.

ACHIEVEMENTS:

1st Place, Microsoft Imagine Cup, Seattle

Aug 2018

Winner at Imagine Cup World Finals: Big Data Category, where my team and I built an application which used AI to detect counterfeit drugs and find discrepancies in Medical supply chain.

Patent #201911044176 (Pending), Andromedia, India**Nov 2019**

Published a patent for an autonomous robotic system for cleaning swimming pools that encompasses underwater navigation and communication.

1st Place, Microsoft Codefundo, India**Mar 2020**

National Level Winner for Microsoft Codefundo; created a solution "Secure Suffrage" for the India electoral system

- Created a secure and transparent blockchain based voting system.
- Using smart contracts, developed an asset management tool to curb illegal spending and tracking in campaigns.

Runners-up, Walmart Sparkplug, India**May 2020**

- We created an AR-based in-store navigation app that optimizes your route based on your shopping list.
- We created a Wi-Fi-based triangulation system for better localization that helps in-store navigation and prioritises accessibility.

1st Place, Machine learning Hack, Taiwan**Jul 2018**

- Won the first place in a 10 hour hack conducted by Microsoft at the MSP Asia summit for Top hundred Microsoft Student Partners.
- The hack revolved around a common reservation system problem from Kagel.

1st Place, Intuit Circles Codeathon, India**Nov 2020**

We created a platform that focuses on India first features that makes accounting simpler for SMBs. Integrated an AI based system for accounting and flagging irregularities.

EXPERIENCE:**Walmart Global Tech India ,Software Engineer 2, India****Aug 2020 - Present**

- Currently working on scalable backend and frontend technologies for the "Promise and Sourcing" team.
- Built and responsible for a system that predicts Order delivery dates and serves 10K+ requests per minute.
- I have a keen edge in integrating Artificial Intelligence to enhance customer journey at scale.

Remoteprints.tools, Co-founder, India**Jul 2020 - Present**

Built a system that enables students to upload their project thesis to the cloud, get it printed and submit it to the university during the trying times of the pandemic.

Andromedia, Co-founder, India**Aug 2017 - Present**

- Created multiple Unmanned Underwater Vehicles (UUVs) that use deep learning to solve a multitude of use cases like cleaning lakes, pools, undersea navigation, and inspections.
- This startup is a perfect blend of robotics and deep technologies focusing on research underwater.

ACTIVITIES :

- Engaged in creating awareness about latest technologies, while enabling social responsibility as Microsoft Student Partner, Jul 2017 - Jul 2020
- Co-founder of a student club named "RVCE Hacks" that organizes one of Bangalore's largest college hacks biannually, RV College of Engineering, Jul 2017 - Jul 2020
- IEEE Vice Chair RVCE CS Chapter, RV College of Engineering, Jun2018 - Jul 2020
- IEEE Treasurer RVCE CS Chapter, RV College of Engineering, Jan 2018 - Jun 2018
- Taught Computer Science to high school students at the Ramana Maharshi Foundation – India for the blind, Bangalore, Jul 2012 -Jul 2016.
- Taught English to middle school children at Ramakrishna Mission in a village called Shivanahalli during the weekends.
- Licenced Open Water Scuba Diver, Passion to explore the waters and the wildlife beneath.