C Vamshi Krishna

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 Bangalore, India

Profile

A creator, an engineer and a self-learner passionate about programming, studying Electrical and Computer Engineering. Willing to work with an organization that focuses on products that bring a difference to society.

Education

2019 – 2023 Amritapuri, India	**B.Tech. in Electrical and Computer Engineering** *Amrita School of Engineering* CGPA: 9.12
2017 – 2019 Bangalore, India	**Pre-University College** *Chethana PU College* PUC Board exam percentage: 79%
2015 – 2017 Bangalore, India	**Class 10** *MES Kishore Kendra Public School* ICSE Board exam percentage: 73%

Experience

2022/02 – 2022/10	**Spoon** *Intern as Associate Technology Engineer* Spoon is a fintech company focusing on issuing credit cards for students. The work mainly revolved around integrating the partnering bank API along with other API vendors offering different services at the backend that are consumed by spoon.
2021	**Microsoft Engage** *Mentorship program* Worked with professionals from Microsoft to build a clone of Microsoft Teams.
2020	**Tic Tech Toe '20 hackathon** Participated in a hackathon organized by DAIICT
2020	**FOSSASIA** *Contributed to an open source organization*
2019	**amFOSS** *Member at a student club FOSS@Amrita.*

Personal Projects

2022/10 – 2022/10	**Haveloc-Helper** ⧉ Uses selenium web driver and automates a lot of tedious work to apply for jobs on haveloc and makes the job applications part easy.
2022/01 – 2022/02	**Boomerang** ⧉ A simple Gmail scheduler app that can be used to schedule mails for a specific date and time
2021/12 – 2022/02	**StegosGrayfia** ⧉ A password manager that uses Image steganography.
2022/01 – 2022/01	**WaterLevelCheck** ⧉ A system that controls water motor based on the water level in sump and tank and automatically switches on the motor at a specific time and turns off when the tank is full while keeping the water in sump a check.
2021/08 – 2021/12	**Speedyblackman** ⧉ A deep neural network that drives a car in the video game Need For Speed Rivals.
2021/08 – 2021/09	**Remote controlled switch** ⧉ A smartphone-controlled physical switch to control the water pressure pump.
2021/07 – 2021/08	**DereNet** ⧉ *Demo available here*: *https://derenet.herokuapp.com/* A classifier that classifies persona (dere) of waifus using deep neural networks.

2021/03 – 2021/06	**Pymusicdl** ⧉
	A music downloader
	Downloads songs based on the song name, from a YouTube playlist or Spotify playlist/album.
2021/01 – 2021/01	**Dog Vision** ⧉
	A CNN based dog breed classifier built using transfer learning with TensorFlow.
2020/11 – 2020/11	**SentiBot** ⧉
	Senti bot is a python and pyqt5 based GUI application that helps a user to analyze the sentiments of the last 100 tweets for a particular keyword entered.
2020/05 – 2020/05	**Automatic light system**
	An automatic switch that switches on/off light in a washroom based on user entering/exiting.
2019/09 – 2019/09	**TwitterCLI** ⧉
	A CLI app that fetches Twitter users' followers.
2019/08 – 2019/08	**Get Git Details** ⧉
	Demo available here: *https://insaiyancvk.github.io/getgitdetails*
	A web app that makes use of GitHub API to fetch user details and display them on screen.
2019/08 – 2019/08	**Captcha breaker** ⧉
	A captcha breaker that makes use of pytesseract to read a captcha.
2019/07 – 2019/08	**Google web scraper** ⧉
	A script written in ruby that scrapes the top 10 google search results.

Academic Projects

2022/04 – 2022/04	**EyeTrackerAttendance** ⧉
	Link: *https://github.com/StylistMercurial1130/Eye-Tracker-Attendance*
	Tracks the attendance based on eye position that inferences with the help of the library Gaze Tracker and images are captured with the help of OpenCV in real-time. The attendance information is stored and updated in a PostgreSQL database in real-time and exports the attendance as a CSV file when selected.
2021/10 – 2021/11	**Parking assistant**
	A vehicle parking aid that makes use of STM32F103C4 microcontroller and simulated on proteus.
2021/10 – 2021/11	**CatDogVision**
	Link: *https://github.com/insaiyancvk/catdogvision*
	A cat and dog classifier, a team project while experimenting with some pre-trained CNNs.
2021/08 – 2021/11	**AnimeClassifier**
	Link: *https://github.com/insaiyancvk/AnimeClassifier*
	A deep neural network that classifies top 5 characters from 4 famous anime. Data collected from scratch and deployed the same on Heroku.
2021/04 – 2021/05	**TwitterStalker**
	Link: *https://github.com/insaiyancvk/TwitterStalker*
	A web app to analyze tweets and visualize data
2020/11 – 2020/12	**DataLocker**
	Link: *https://github.com/insaiyancvk/datalocker*
	A tool to encrypt text/csv files

Courses

2020/08	**Introduction to Flutter Development Using Dart**
	The App Brewery
	Link: https://github.com/insaiyancvk/flutterSchool

Skills

- Python
- C++
- Typescript
- Flutter
- Java
- Git
- PyTorch

Other skills

- GNU/Linux
- Jupyter Notebooks
- Google Firebase
- Flask
- Arduino IDE
- PostgreSQL
- Google Cloud Platform

Co-Curricular Experience

Road to ML workshop
Was a part of 2 weeks long ML/DL-based workshop where I helped the attendees with setting up of a deep learning project environment, taught some basic deep learning concepts along with the PyTorch API.

Student Social Responsibility
Conducted a webinar on the basics of programming targeting juniors and people who want to get into programming

Junior Induction program
Mentor of 2020 batch.

Amrita Varsham 66'
Crowd Control

Languages

Language	Level	Language	Level
English	● ● ● ● ○	Telugu	● ● ● ● ○
Kannada	● ● ● ○ ○	Hindi	● ● ○ ○ ○
Japanese	● ○ ○ ○ ○	French	● ○ ○ ○ ○