

# S. Vishal Kumar

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## Education

- **B. Tech. (UG)**  
VIT Chennai – 2017-21  
CGPA: 9.04
- **Class 12**  
Chennai Public School (CBSE)  
Percentage: 94.2%
- **Class 10**  
Chennai Public School (CBSE)  
CGPA: 10

## My Projects

- **UnDanger**  
A women's safety device made using raspberry pi for hardware, React Native for mobile app and ExpressJS with MongoDB for back-end.
- **SteamQuest**  
Web app to predict Steam community market prices using machine learning for popular games like PUBG, CSGO and Dota 2. Used ExpressJS and MongoDB for back-end and PUG template engine along with bootstrap 4 for front-end.
- **Vapourizer**  
A node.js command-line tool to fetch the item price history from the steam community market for all items of a user-input game and store in MongoDB GridFS. Used to acquire data for training the model for SteamQuest and plotting informative graphs.

### - BullsNCows

A discord chat bot to simulate the Bulls N' Cows word game. Made using Discord.js.

### - NotMoodle

An online course management portal, similar to Google Classroom. Made using ExpressJS for the PayPal Value Added Program conducted in VIT Chennai.

### - Lok Sabha Election analysis

A Django dashboard presenting various details about the Indian general assembly elections over the years.

## Work Experience

- **Python Django Web Developer Intern**  
At CloverBridge Technologies  
From 05/2019 – 06/2019  
As an intern, I was given training in the Python Django framework and the opportunity to work in one of the projects that the company was currently working on for an offshore client.
- **Web Development Intern**  
At Astra Engineering and Solutions  
From 01/06/2020 – 30/06/2020  
As an intern, I was tasked to work on a market analysis application called SteamQuest to predict the prices of items on the Steam community market. Popular games like PUBG, CSGO and Dota 2 were taken and the prices of their items were predicted for the next 30 days.

## Skills

### - Web/App Development

#### Back-end

NodeJS

ExpressJS

Socket.io

React Native

JQuery

Discord.js

VueJS

Redux

PHP

Django

Native Android App Development

Springboot

#### Front-end

Bootstrap

Pug templating

Thymeleaf

W3.CSS

Materialize.css

### - DBMS

MongoDB, PostgreSQL, MySQL, SQLite

### - Others

ML (Sklearn)

Data analysis (Pandas, Numpy, Matplotlib, Seaborn)

Image Processing (MATLAB)

## Achievements

- Completed 4 grades in Music Theory and 3 grades in Practical Guitar (Trinity College London)
- Won many prizes in Chess
- 1st prize in AR/VR workshop held in VIT Chennai, hosted by MAGES Institute of Excellence
- Attended Android development workshop hosted by VIT Chennai
- Completed all Cambridge ESOL English examinations
- Design team member of the VIT Chennai Android Club (07/2018 – 11/2018)

## Certifications

- Certified in Web development by Microsoft Technology Associate.
- Certified in Rest API Design and Fundamentals by PayPal (certificate delayed due to COVID-19).
- Certified in Image Processing by Coursera under Prof. Guillermo Sapiro of Duke University.

## Hobbies

Coding, Gaming, Fitness, Music (both listening and composing), Chess, TV shows, Movies, Reading, Writing.

## Languages

### Spoken

English – 10/10

Tamil (mother tongue) – 9/10

Hindi – 9/10

### Coding

JavaScript, Python, Java, C++, C, R, HTML, CSS, MATLAB