

S. Vishal Kumar

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Education

- **B. Tech. (UG)**
VIT Chennai – 2017-21
CGPA: 9.00
- **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