

AAKASH R

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EDUCATION

Vellore Institute of Technology B.Tech Computer Science and Engineering • GPA: 9.17	2020 – 2024 Chennai
T I School Class 12 PCM + Computer Science • GPA: 94%	2019 – 2020 Chennai
T I School Class 10 • GPA: 97%	2017 – 2018 Chennai

SKILLS

- Programming Languages: C, C++, Java, Python
- Data Structures and Algorithms: Coder in online platforms like Leetcode and CodeChef
- Web Development: Html, Css, JavaScript, Ajax, ReactJS, NodeJS, Php
- DataBase: RDBMS - MySql, NoSQL - MongoDB
- Data Analytics: R, Python

PROJECTS

TwittIn Html, Javascript, Php, Mysql Lead and Backend Developer
'TwittIn' is a professional networking website that enables users to network with people and professional organizations in their industry. Users can share information with others in their field by posting content and stay connected through the chat system. With TwittIn the users will be able to discover new job opportunities in their industry.

Json Search Engine C++, oneAPI/ oneTBB library Programmer
This is a console-driven Search Engine that implements AVL-tree and hash-table and uses multithreading to speed up file processing to search JSON articles containing 'Financial News' data. The application implements parallel processing by making use of the oneAPI/ oneTBB library. This project was helpful in understanding the essence of parallel processing for such complex tasks.

Factors Influencing Life Expectancy R Programming Lead Analyst
This is a data analytics project where the primary goal is to identify the most effective indicators of life expectancy. In a word, the project was done to find out the determining factors that affect a country's life expectancy. Through this project I learnt to apply the concepts in data analytics and use various statistical models to answer real world problems.

Recipe Finder Html, Css, ReactJS Full Stack Developer
A web app that suggests recipes across a range of cuisines based on what ingredients the user has at hand. It uses the 'Spoonacular API' to fetch relevant recipe information. The website is built using React framework. This is an individual project where I practiced my skills in front end web development using ReactJS.

Rash Driving Detection Arduino Programming

Lead and Programmer

Developed a micro-controller based system using Arduino to detect rash driving based on the variations in the speed of the vehicle. The system uses a hall sensor - a magnetic field sensor to read the rpm of the wheel in regular time intervals. If there is a fluctuation in speed beyond a threshold, the driver is alerted to drive safely.

Portfolio Website Bootstrap, Javascript, Github

Frontend Developer

Individually developed a portfolio website from scratch to display my portfolio information. This webpage is hosted through github. This was a great project to enhance my skills in developing stylish and attractive front end. Link - <https://aakashr02.github.io/My-Personal-Website/>

Crop Recommendation Python - Pandas, Numpy, KNeighborsClassifier

Lead and Analyst

A project based on Machine Learning to recommend a suitable one from 22 crop varieties based on the rainfall, NPK values in the soil, temperature, PH of soil and humidity. The KNN classification algorithm was used to develop the recommendation system.

CLUB EXPERIENCE

Data Analytics Club

2021 – 2022

Analyst

VIT Chennai

- As a member of the data analytics club, worked on various projects where I learnt the fundamentals of Data Analytics and Machine Learning models. Had worked on every stage of solving an analytical problem, right from data cleaning to model building and testing

AWARDS

Rajyapuraskar Award

2018

As a scout in school, I was privileged to receive the Rajya Puraskar Award, known as the Governor's Award, the highest award a Scout or Guide can earn at the State-level. Being a part of the Scouts and Guides programme, I learnt life skills such as cooking, first aid, gardening, tent pitching, etc . It has played a vital role in my physical, intellectual, emotional and social development.