VADLAMUDI SAI KALYAN TARUN

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GitHub   *LinkedIn*   *Portfolio*

For a graphical interface, use my *Portfolio*

EDUCATION

Program	Institution	Year of Completion
B. Tech in Computer Science and Engineering	Vignan's Institute of Information Technology	2023
XII	FIITJEE Junior College	2019
X	Sri Chaitanya public School	2017

RELEVANT COURSEWORK

Web Development	Operating Systems	Computer Networking	Data structures and Algorithms in Python	Design and Analysis of Algorithms

SKILLS

Languages: Python**,** JavaScript

Tools: HTML, CSS, NodeJS, Express JS, MongoDB, Firebase, EJS, Handlebars, Git, Flutter, Arduino.

WORK EXPERIENCE

Machine Learning Intern @Zebo.AI *apr'20 - may'21*

- Developed a model to classify and localize different signs of ageing. The target features are displayed using boundary boxes.
- This model is developed using transfer learning of the EfficientNet algorithm. The model has shown an accuracy of 91.37%.
- The data is collected, augmented using Deepfakes generated by GAN and, visualized to understand feature correlation.

PROJECTS

Worksy (Upskilling and Advertising Application)

- Worksy was developed as an all-encompassing work-related application which allows for Upskilling, Advertising and online retailing.
- This application uses HTML, CSS for the frontend, Express JS, NodeJs for the backend and MongoDB as the Database storage.
- Created the application with **Model view controller (MVC) architecture** that limits code duplication and helps in debugging.
- It also has a feed component that helps customers choose user-rated products that best suit their needs and requirements.
- Security is ensured with login authentication. Users have the choice to choose the 2-step verification with a mobile number.
- Developed a tutorials page which will help each user develop any specific skill through a series of suggested video tutorials.
- Developed a marketplace where users can use custom lists and recommended lists which can be ordered in a single click.
- Customers can get in touch with the developers to request a price and time estimate and can place orders through a messenger.

Exam-Snapp (Resource Finding Application)

- Developed an **Institutional level resource application** that enables students to find all the course-specific digital resources (PDF).
- This application uses HTML, CSS for the frontend, Express JS, NodeJs for the backend and MongoDB as the Database storage.
- Created the application with **Model view controller-MVC architecture** that limits code duplication and helps with debugging.
- Users can choose their branch of study, year and a course name to find a specific resource that best fits their requirement.

Hospital Resources Application

- Built an android application using flutter to provide easy access to an emergency medical db during crises similar to the recent pandemic.
- This database includes details of emergency equipment, services, medicines, and ambulances which were active at the user's location.
- It includes the functionality to call the regional emergency helpline numbers in case the user is confused or ambiguous about their situation.

Bus-Track

- This web application started as a college/school bus tracking system to allow students to track their rides and reach them in time.
- This application uses HTML, CSS for the frontend, Express JS, NodeJs for the backend and MongoDB as the Database storage.
- This application can be used for all of one's voluntary tracking needs like live-location sharing, cargo, auto or taxi tracking.
- It ensures user privacy by using a shareable code which will only work for the accounts that the user has personally safe-listed.
- It makes use of the browsers' built-in web **Geolocation API**. Google **OAuth2** implements user authentication and verification.

POSITIONS OF RESPONSIBILITY

Public Speaker Team, ACM, VIIT Community *Jan'20 – Jan'20*

- Part of the Vignan ACM student community, where I was responsible for delivering seminars on various dev-related technologies.
- Responsible for delivering technical seminars on technologies like Git, GitHub, and web development using basic HTML, CSS and JS.
- Part of the organizing team of an inter-college hackathon that was held over five (5) different colleges throughout the district.