

Viraj Bhartiya

Android | iOS | WearOS | Web | Embedded Systems

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EDUCATION

Cambridge School ICSE, Aurangabad— Primary Education

2011 - 2020

K.J. Somaiya College of Engineering, Mumbai— B.Tech Computer Engineering

2023 - 2027

SKILLS

Flutter

NodeJS

ReactJS

Python

AppScript

Firebase

I'm dedicated to creating things that *live on the internet*. My passion for this field drives me to explore various interests and tackle diverse projects. A quick learner, I excel in managing multiple tasks and roles effectively.

PROJECTS

Spam Email Detection — *Natural Language Processing*

Email spam detection is a crucial task in ensuring the security and efficiency of email communication. By leveraging machine learning techniques, such as Natural Language Processing and the Multinomial Naive Bayes algorithm, we can develop effective solutions for detecting spam emails.

Alien — *Virtual Screen Sharing over LAN via WebRTC*

Alien, powered by cutting-edge technologies including WebRTC, ElectronJS, and ReactJS, innovatively transforms web browser-equipped devices into secondary computer screens. Offering flexible screen mirroring and multitasking capabilities, it seamlessly integrates with Virtual Display Adapter and can function as a tablet or smartphone teleprompter through the unique Flip Screen Mode, elevating screen utility and productivity.

Riverto— *Music streaming and download app*

Launched Riverto, a cutting-edge music streaming and download application, meticulously crafted using Flutter. This project involved reverse engineering to connect with the Saavan.com API, granting users access to an extensive music catalog. Unfortunately, Riverto had to be discontinued following the API's shutdown, marking the conclusion of its services.

Lucid— *Text to image generation via stable diffusion using OpenAI's CLIP Model*

Crafted a suite of text-to-image generation utilities utilizing OpenAI's CLIP model, encompassing tasks such as generating images from textual descriptions or existing images, creating videos from textual inputs, and producing music videos from song lyrics.

Maple— *Free E-book provider (Discontinued as a result of API shutdown)*

Enabled access to a vast library of best-selling ebooks at no cost, sourced through the Feedbooks API. Developed

features for downloading, bookmarking, and sharing books with fellow users. Constructed using Flutter and Firebase technologies

Informal Eats—*Recipe suggestion app*

Designed an application allowing users to input available ingredients, generating curated blog links featuring recipes utilizing those items. Created with Flutter and integrated with the Edamam API for enhanced functionality.

Flappy Bird AI —*Self Playing Flappy bird via Reinforcement Learning*

Designed an autonomous Flappy Bird player using Reinforcement Learning, enabling it to self-learn the game. Developed and implemented using the P5.js framework within the Processing environment.

Medco—*Medicine reminder app*

Designed and developed a medication reminder application, empowering users to configure medication schedules and receive timely notifications to prevent missed doses. Created with Flutter and integrated with SQL for efficient data management.

Organic Bliss—*Freelance web development project*

Created a comprehensive product catalog website aimed at showcasing an extensive array of offerings. Employed HTML, CSS, and JavaScript to design and develop the platform, ensuring an interactive and user-friendly experience for visitors.

CERTIFICATION

Ethical Hacking and Cybersecurity, IIT Bombay

September 2023

- OSINT
- Network Scanning
- Enumeration techniques
- Port Scanning
- Service Identification
- Vulnerability scanning
- SQL Injection
- Cross Site Scripting
- Web Application Security

FAMILY

Father: CA Lokesh Bhartiya— *Global Costing Head for AkzoNobel*

Mother: CA Smita Bhartiya— *Vice President Finance for Endress Hauser (Flowtec) India*

Brother: Dhruv Bhartiya— *CA Final Student | Article at Deloitte*

LANGUAGES

English
Hindi
Marathi

HOBBIES

Cycling
Running
Trekking