

Viraj Bhartiya

Mumbai, MH | [Website](#) | [Github](#) | [LinkedIn](#) | +91 8485837871 | [Email](#)

EDUCATION

K.J. Somaiya College of Engineering, VidyaVihar **Mumbai, MH**
B.Tech Computer Engineering **Sep 2027**

Vidyadham Jr. College **Aurangabad, MH**
HSC, Maharashtra **June 2023**

Cambridge School ICSE, Aurangabad **Aurangabad, MH**
Primary Education **Jul 2021**

PROJECT EXPERIENCE

Spam Email Detection

Natural Language Processing **July 2023**

- Developed effective solutions for detecting spam emails by leveraging machine learning techniques, including Natural Language Processing and the Multinomial Naive Bayes algorithm.
- Ensured the security and efficiency of email communication through email spam detection.

Alien

Virtual Screen Sharing over LAN via WebRTC **May 2023**

- Alien, powered by cutting-edge technologies such as WebRTC, ElectronJS, and ReactJS, innovatively transformed web browser-equipped devices into secondary computer screens
- Offered flexible screen mirroring and multitasking capabilities, seamlessly integrated with Virtual Display Adapter, and functioned as a tablet or smartphone teleprompter through the unique Flip Screen Mode, elevating screen utility and productivity.

Riverto

Music streaming and download app **September 2022**

- Used flutter to build a cutting-edge music streaming and download application
- Involved reverse engineering to connect with the [Saavan.com](#) API, which granted users access to an extensive music catalogue

Lucid

Text to image generation | OPENAI's CLIP Model **October 2022**

- Developed text-to-image generation utilities using OpenAI's CLIP model, which involved generating images from textual descriptions or existing images
- It created videos from textual inputs and produced music videos from song lyrics as part of the project.

Maple

Free E-book provider **May 2021**

- Facilitated access to an extensive collection of best-selling eBooks, all obtained at no expense through the Feedbooks API
- Engineered functionalities for downloading, bookmarking, and sharing books among users
- Built the application using Flutter and Firebase technologies

Informal Eats

Recipe suggestion app

April 2020

- Designed an application that enabled users to input available ingredients and generated curated blog links featuring recipes that utilized those items
- Developed the application using Flutter and integrated it with the Edamam API to enhance its functionality

FlappyBirdAI

Self-Playing Flappy Bird via Reinforcement Learning

May 2021

- Designed an autonomous Flappy Bird player through Reinforcement Learning, allowing it to learn the game on its own
- Developed and implemented the project using the P5.js framework within the Processing environment

Medco

Medicine reminder app

January 2021

- Designed and developed a medication reminder app, allowing users to set medication schedules and receive timely notifications to prevent missed doses
- Utilized Flutter and integrated SQL for efficient data management

Organic Bliss

Freelance web development project

April 2022

- Developed a comprehensive product catalog website with the goal of showcasing an extensive range of products
- Utilized HTML, CSS, and JavaScript to design and build the platform, ensuring an interactive and user-friendly experience for visitors

SKILLS & INTERESTS

Technical: Flutter, NodeJS, ReactJS, Python, AppScript, Firebase

Languages: English, Hindi, Marathi

Interests: Web Development, Embedded Systems, Android, iOS, WearOS

CERTIFICATIONS

Ethical Hacking and Cybersecurity, IIT Bombay

September 2023

- OSINT (Open Source Intelligence), Network Scanning, Enumeration Techniques, SQL Injection, Cross-Site Scripting, Web Application Security