

Vatsal Sakariya

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EDUCATION

Computer Science and Engineering (B. Tech)

Institute of Technology, Nirma University

2019 – present | Ahmedabad, India

EXPERIENCE

GoodWind

March 2022 – May 2022

Freelance - Django, HTML/CSS, JavaScript, TailwindCSS

- Developed an online system for the company to enhance and increase its customer base in a team of 3.
- Built frontend functionalities in the company's web application like a flow-based appointment booking system, document management system for the company, client record system, and styled email templates.

PROJECTS

ChattGator [🔗](#)

NextJS, TailwindCSS, Node, SocketIO, MongoDB, TypeScript

- Designed a backend service and an NPM package for customizable UI that provides the chat functionality to any existing React app.
- Lead a team of 5 people. The package had over 1000+ during first week. [GitHub](#) [🔗](#) - [Package Link](#) [🔗](#)

Woork [🔗](#)

React, Redux, TailwindCSS, Node, Express, MongoDB

- Built a platform for social networking for software developers to collaborate on projects.
- Implemented key modules such as GitHub authentication, collaboration requests along with a message, notifications, and basic add/remove/update functionalities. [GitHub](#) [🔗](#)

Password Manager [🔗](#)

Django, HTML/CSS, JavaScript, TailwindCSS

- Created a system that stores your usernames and passwords for different website in encrypted form, along with a login system which stores a username and its security passwords hash.
- Worked in a team of 3 people. My part was to create the front-end UI of the project. [GitHub](#) [🔗](#)

Emaaaail [🔗](#)

HTML/CSS, JavaScript, PHP, MySQL, Google Apps Script

- Developed an email service that sends their users random XKCD comics every 5 minutes.
- Build various modules such as email verification and cron job processing. [GitHub](#) [🔗](#)

SKILLS

Languages: C/C++, HTML/CSS, JavaScript, TypeScript, Python, PHP, SQL, GraphQL

Frameworks: Django, ReactJS, NextJS, NodeJS

Database: MongoDB, SQLite, MySQL

Version Control: Git, GitHub

PUBLICATIONS

Towards Future Internet: A Unified Metaverse

August 2022

Prospective for diverse Industrial Applications

Currently under review for IEEE Internet of Things Journal

Stock price prediction for market forecasting using

March 2022

Machine Learning analysis

Machine Learning for Financial Analysis (MLFA 2022)

Internet-of-explainable-Digital-Twins: A Case Study of Versatile Corn Production Ecosystem

June 2022

Currently under review for IEEE International Conference on Communications, Computing, Cybersecurity, and Informatics, CCCI 2022