Vatsal Sakariya

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EDUCATION

Computer Science and Engineering (B. Tech)   2019 – present | Ahmedabad, India
Institute of Technology, Nirma University

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+ downloads during the first week. GitHub ⧉ - Package Link ⧉

Wooork ⧉
React, Redux, TailwindCSS, Node, Express, MongoDB
- Built a platform for social networking of 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 websites in encrypted form, along with a login system that stores your username and its secured password hash.
- Worked in a team of 3 and my part was to handle the front end of the project. GitHub ⧉

Emaaail ⧉
HTML/CSS, JavaScript, PHP, MySQL, Google Apps Script
- Developed an email service that sends their users random XKCD comics every 5 minutes.
- Built 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

Internet-of-explainable-Digital-Twins: A Case Study of   June 2022
Versatile Corn Production Ecosystem
Currently under review for IEEE International Conference on Communications, Computing, Cybersecurity, and Informatics, CCCI 2022