

ARCHIT RATHOD

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EDUCATION

BE in Information Technology , Thadomal Shahani Engineering College CGPA: 9.4 / 10	August 2020 - June 2024
HSC, Science , Shri T.P. Bhatia College of Science Percentage: 82.31%	June 2018 - March 2020
SSC , Yashodham High School Percentage: 96.40%	June 2008 - March 2018

SKILLS

Languages	Javascript, Typescript, Python, C++, HTML
Tools / Frameworks	React.js, Node.js, Express, Fast API, EJS, Next.js, Git, Github, jQuery, Tailwind CSS
Databases	MySQL, MongoDB, BigQuery
Devops	Netlify, Vercel, Google Cloud Platform(GCP), Google Analytics, Docker
Soft Skills	Time Management, Teamwork, Communication, Leadership

RESEARCH PAPER

CNN-Driven Classification of Natural Calamities: An In-depth Analysis (In-Publication)	March - July 2023
<ul style="list-style-type: none">Conducting extensive research on disaster classification utilizing neural networks, including variants such as basic CNN, ResNets, and Stacking of CNNs, to enhance accuracy in disaster identification.Leveraged a comprehensive dataset of 1M disaster and casualty records provided by MIT University to develop the model. Prepared a research paper highlighting the findings and methodologies employed in this study.	

EXPERIENCE

Remote Intern - Kaizen Future Tech	June 2021 - July 2021
<ul style="list-style-type: none">Built IoT projects using Arduino and Node MCU CPUs on virtual software like TinkerCAD and Proteus. Learnt Arduino Programming in C/C++.Learnt about different sensors used in solving real-life problems	
Research and Web Intern - Unicode Research (SimPPL.org)	March 2023 - Present
<ul style="list-style-type: none">Analyzing YouTube videos using YouTube data API, extracting insights and creating network graphs for visualization. DemoModifying website with multiple product pages, deploying on Vercel and Netlify, API testing, and writing documentations.	

PROJECTS

Social Vision — Next.js, Tailwind, MongoDB, Python, ML Models, Fast API	GitHub
<ul style="list-style-type: none">Social Vision identifies coordinated behavior on social media by grouping users with similar article posts.It detects propaganda, agendas, and fake news using techniques like keyword extraction, multi-class classification, and sentiment analysis within these networks.	
PowerUp — React JS, Tailwind CSS, Node JS, Mongo DB, API's.	GitHub

- Power Up is a health monitoring and diet tracking app for Wear OS smart watches, supporting weight, steps, and calorie tracking with goal setting and dietary preferences.
- Users can chat with AI-based chatbots, customizing their health experience based on their health conditions and preferences.

Coupon Vault — Next.js, Tailwind CSS, Node.js (Express), MongoDB.

[GitHub](#)

- A headless promotion engine enables merchants to create dynamic and static coupon codes with custom rules and conditions.
- Merchants can generate bulk static codes with usage limits, expiration dates, and customer eligibility options using this flexible engine.

Edu Sys (Outcomes Mapping System) — React.js, Tailwind CSS, Node.js, Mongo DB

[GitHub](#)

- Edu Sys is an attempt to reduce the manual work of teachers by automating the entire flow of the Outcome Based Education (OBE) system for a college by mapping COs-POs-PSOs of all subjects.
- This project is currently being used by the IT Department of TSEC, Bandra.

EXTRA-CURRICULAR ACTIVITIES

- Participate in many hackathons.
 - Won at the TIAA Intercollege Hackathon
 - Won Third Prize in CSI Rubrix-23
- Problem solving on Leetcode.
- Problem solving on CSS Battles.
- Creating a Website to Learn Data Structures and Algorithms in a fun way.

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