

VIVEK MODI

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EDUCATION

Dwarkadas J. Sanghvi College of Engineering, Mumbai, India

Expected: June 2024

Candidate for Bachelor of Technology in Information Technology with *Distinction*

(CGPA-8.6/10)

V.E.S Polytechnic, Mumbai, India

August 2021

Attained *Distinction* in Diploma of Computer Engineering

(96.69%)

PROFESSIONAL EXPERIENCE

DotSyndicate, Mumbai, India | Web Development Engineer Intern

November 2022 – June 2023

- Led a team of 5 people in executing the creation of three websites for Skylink Dubai, Redstream FZCO, and AfricoldLTD using Next.js and Firebase with 98% accuracy.
- Employed Kanban board program Trello to track and manage project progress, and complete tasks on schedule.

Aerus Infotech, Mumbai, India | Web Development Intern

June 2020 – July 2020

- Learned about several technologies such as HTML, CSS, js, and Bootstrap, which were utilized in company projects.
- Orchestrated a website with administrative features of appointment scheduling management for healthcare professionals.

ACADEMIC PROJECTS AND PAPERS

Intelli-tutor (Final Year Project – Ongoing) | ReactJS, NodeJS, ExpressJS, MongoDB, and Flask

- Created IntelliTutor AI, an innovative app employing MERN stack, Flask, AI and NLP to transform interview preparation that offered diverse interview scenarios, instant AI feedback, and personalized insights, boosting user confidence.

Smart Rainwater Harvesting System | NodeMCU ESP8266, Arduino, Soil Moisture and Temperature Sensor, Blynk.cloud

- Developed an IoT-based system integrating pH, water level, and water flow sensors, with Arduino, to collect and process real-time data monitoring water quantity, quality, and rainfall in rural areas for reliable water management.
- Implemented seamless data transfer mechanism by uploading processed information to the Cloud for remote access.

Smart Rainwater Harvesting System

- Authored and published a paper on the same in International Research Journal of Engineering and Technology (IRJET) in August 2023, Volume 10, Issue 08, e-ISSN: 2395-0056.
- Wrote a research paper on project smart rainwater harvesting system including Architecture diagram, Circuit diagrams.

Standard Earthmoving Company | Android Studios, Java (Diploma Final year project)

- Built a machinery spare parts catalogue app for customers to inquire about products, browse offers, and contact.
- Reduced customer acquisition costs through the app which helped customers to learn about product & purchase.
- Authored and published a research paper on the same in International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, p-ISSN: 2395-0072, Volume: 08, Issue 04, Apr 2021.

Alumini Portal | HTML, CSS, JS, and PHP

- Modeled a social media portal with PHP, HTML, CSS, and JavaScript for students and faculty members to connect.
- Worked on event management, announcements, forum postings, guest interactions, and updates to alumni financial data in the designs and implemented alumni portal that improve engagement and speed up communication.

Bus Booking System | Java, MySQL, and Workbench

- Formed a system with Java and MySQL that can automate advanced online ticket booking and transactions in bulk.
- Integrated a ticketing system with admin side functionality such as managing reservations, client data and passenger lists.

TECHNICAL SKILLS

- Programming languages: C/C++, JAVA, Python, PHP, SQL, Golang, and R.
- Web Technologies: HTML, CSS, JavaScript, ReactJS, NextJS, Typescript, Bootstrap, Tailwind CSS, Material UI, NPM, Firebase, MongoDB, NodeJS, Flask | Tools: Figma, VSCode, MSOffice, Adobe Photoshop, MYSQL Workbench, Git, and Github.

EXTRACURRICULAR ACTIVITIES

- Participated in Hackathon such as Lines of Code, Codeshashtra, Clash of Codes organized in DJSCE, 2023.
- Played with in inter-college Cricket competition organized by Trinity, DJSCE, 2023.
- Engineered Tours and Travel website in Clash of Codes Hackathon using ReactJS, Institute of Electronics and telecommunication engineers (IETE), 2023.
- Completed Foundation of USER Experience (UX) Design from Google, Coursera, March 2022 which included concepts in UX design, such as user-centered design, the design process, accessibility, and equity-focused design.
- Learned about basics of Python in 'Programming for Everybody' course by University of Michigan, Coursera, June 2022.
- Finished PythonDataStructures course of University of Michigan, Coursera, June 2022; learned about data structures.