

Vivek Patel

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Education

Master of Computer Science (Software Engineering) Arizona State University New American University Scholarship Recipient	May 2024 Tempe, AZ
Bachelor of Technology, Computer Engineering Pandit Deendayal Energy University - PDEU, CGPA: 9.35 / 10.00	May 2022 Gandhinagar, India

Professional Experience

Software Engineer Intern HackerRank Bengaluru, India	Jan 2022 - Jun 2022
<ul style="list-style-type: none">Worked with Editors team on cloud-based Integrated Development Environment (IDE) for HackerRank Interview platformImplemented terminal collaboration in web-based IDE under ~120ms latency using container-based internal WebSocketsEnhanced effectiveness of canvas diagrams by building real-time comments feature using <i>React.js</i>, <i>socket.io</i>, and <i>Ruby on Rails</i>Improved users' experience by developing high-performing theia extensions in <i>Typescript</i> and <i>inversifyJS</i>	
Software Engineer Intern 100ms - Brytecam Technologies Bengaluru, India	Mar 2021 - Jun 2021
<ul style="list-style-type: none">Collaborated with Dashboard team to build an app-builder for deploying conferencing apps with distinct user rolesRevamped On-boarding process to less than 3 seconds and saved company around \$140,000 yearly by designing a Data Routing system with Vercel's wildcard subdomains, <i>Django (Python)</i>, and <i>AWS route 53 services</i>Engaged on an npm package which was developed to make customizable video applications using <i>Typescript</i>, <i>Webpack</i> & <i>Jest</i>	

Projects

github.com/vivek9patel

CodeConnect: a collaborative code editor & compiler <i>React.js</i> , <i>Tailwind</i> , <i>Socket.io</i> , <i>Express.js</i> github	Jul 2021
<ul style="list-style-type: none">A platform designed for technical interviews with features of video meetings, an online language compiler, and a whiteboardUtilized Figma to design mockups and <i>React.js</i>, <i>Chakra UI</i>, <i>Tailwind CSS</i> to implement componentsIncorporated <i>Socket.io</i> for code syncing and <i>HackerEarth's</i> cloud APIs to compile and show output of code	
Web Simulation of UbuntuOS <i>Next.js</i> , <i>Tailwind</i> , <i>Google Analytics</i> , <i>Vercel</i> github	May 2021
<ul style="list-style-type: none">Innovated a virtual simulation of Ubuntu 20.04 operating system on web using <i>Next.js</i> and <i>Tailwind CSS</i>Got featured #1 vercel trending project and achieved 80,000+ users from 40+ countries along with 2.4k+ stars on its Github repository. The <i>official Ubuntu organization</i> later appreciated this open-sourced project on a social media platform	
Meditech Healthcare Webapp <i>HTML5</i> , <i>Materialized CSS</i> , <i>JQuery</i> , <i>Firebase</i> , <i>Tensorflow</i> github	Nov 2020
<ul style="list-style-type: none">Developed a Web Application to predict and diagnose diseases from x-ray images leveraging <i>TensorFlow</i> & <i>Firebase</i>Designed & carried out front-end part of website with responsiveness & cross-browser support	
CPU Scheduling Algorithm Visualiser APP <i>React Native</i> , <i>Expo</i> , <i>Expo-CLI</i> github	Oct 2020
<ul style="list-style-type: none">Built a react-native application for 8 primitive & non-preemptive CPU Scheduling algorithms' visualizationIntegrated Gantt Chart with animation of processes in CPU memory & Ready Queue	

Leadership Experience

TheWebMate.in Co-founder & Project Manager Ahmedabad, India	Jun 2020 - Mar 2021
<ul style="list-style-type: none">A platform founded to provide affordable software and web hosting services to small businesses during pandemicManaged day-to-day meetings with clients and potential customers to plan and prepare action plans as per requirementsLed development team and worked with 30+ clients from different sectors on business websites and digital marketing projects	

Professional & Campus Involvement

Executive committee member of CodeChef student chapter, head of organizing technical events	2020 - 2022
Founder of Python community - "PyPower", grew it to 1800+ students by teaching in various events & workshops	2020 - 2021
Grand Finalist of SSIP (Student Start-up & Innovation Policy), a state-level Hackathon	Aug 2021
Runner Up , 'Codeathon', coding competition, ENCODE - the computer science club, PDEU, Gandhinagar	May 2021

Skills and Expertise

Language Skills: JavaScript, Typescript, Python, C++, SQL, Data Structures & Algorithms

Tools & Technologies: React, Redux, Next.js, Express, Django, S(CSS), MongoDB, Firebase, Git / Github, Docker, Linux, macOS

Languages Known: English, Hindi, Gujarati