

Vivek Patel

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EDUCATION

Master of Computer Science | Arizona State University, Tempe, AZ | GPA: 4.00/4.00 May 2024
Courses: Cloud Computing, Data Visualization, Algorithms, Software Design, Human-computer Interaction.
B.Tech. in Computer Engineering | PDEU, Gandhinagar, India | GPA: 9.35/10.00 May 2022

TECHNICAL SKILLS

Languages: JavaScript, Typescript, Python, Java, C/C++, HTML5, CSS3, BASH
Frameworks: React, Redux, Node.js, Flask, Tailwind CSS, SASS, LESS, Material-UI, Next.js, Express.js, D3.js
Developer Tools: Git, Docker, Amazon Web Services, Visual Studio Code

WORK EXPERIENCE

Application Engineer Intern, University of Phoenix, Phoenix, AZ May 2023 – Present

- Working with React.js and JavaScript to create robust and responsive components for Adobe AEM, while working extensively with ADA and SEO requirements.
- Optimized site search page, migrated pagination, search category and suggestion features from JQuery to React.
- Implemented a new AEM component for the Carousel of previously viewed programs using swiperJS library.

Software Engineer Intern, HackerRank, Bengaluru, India Jan. 2022 – Jun. 2022

- Refactored theia extensions to improve efficiency of cloud-based Integrated Development Environment by **70%**.
- Built secured terminal collab using *Docker* and *Web Sockets* to reduce **latency under 120ms**.
- Led effort to enhance team's productivity by building real-time comments on engineering diagram tool using *React.js*, *Typescript*, *Socket.io* and *Ruby on Rails*.

Software Engineer Intern, 100ms, Bengaluru, India Apr. 2021 – Jun. 2021

- Directed implementation of video conferencing app-builder by building customized *JavaScript* library.
- Developed an application using *Vercel's wildcard subdomains*, *Django*, and *AWS Route 53* to restructure onboarding process improving load time to under **3 seconds** and customer satisfaction by **67 points**.

Co-founder / Software Developer, Webmate Web Services, Ahmedabad, India Jun. 2020 – Mar. 2021

- Established a platform during pandemic to offer affordable software services to small businesses.
- Spearheaded management of client meetings, ensuring seamless communication and customer satisfaction.

PROJECTS

Visualizing Fabric of Ohio City, [Github link](#) April 2023

- Leveraged *D3.js* and *Material UI* to create and highlight value of data-driven insights to answer key questions about volunteers' characteristics, social activities, and predominant business base.
- Migrated *d3-lasso* plugin to work with latest versions of *D3.js*.
- Deployed *Flask* and *PostgreSQL* operating on *Azure Kubernetes Service* to improve reliability and scalability.

Code-Connect: Online Interview Tool, [Github link](#) June 2022

- Developed platform for interviews with features of video meetings, an online language compiler, and a whiteboard.
- Incorporated *Socket.io* for code syncing and HackerEarth's cloud APIs to compile and show output of code.
- Deployed *MongoDB* to *AWS* instance using *Docker* for efficient and scalable database service.

Web Simulation of UbuntuOS, [Github link](#) May 2021

- Innovated a virtual simulation of Ubuntu 20.04 operating system on web using *Next.js* and *Tailwind CSS*.
- Published simulation **gaining over 1,00,000 page views**, and 3200+ stars on GitHub repository.
- Implemented continuous delivery using *Vercel automation* to build server-side applications upon new a release.

LEADERSHIP INVOLVEMENT

Executive committee member, CodeChef student chapter Aug. 2020 - May 2022

- Coordinated with team to delegate tasks, set timelines, and ensure all aspects of events were executed smoothly.

Founder, Python community - "PyPower" Feb. 2020 - Jan. 2022

- Organized events and conducted workshops on python libraries and applications, reaching over 1800 students.

Grand Finalist, SSIP (Student Start-up & Innovation Policy), a state-level Hackathon Aug. 2021

- Steered team developing a solution to garbage detector, collection and categorization system for city of Ahmedabad.