

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, Foundation of Algorithms, Operating Systems, Machine Learning, Distributed Database.
B.Tech. in Computer Engineering | PDEU, Gandhinagar, India | GPA: 9.35/10.00 May 2022

TECHNICAL SKILLS

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

WORK EXPERIENCE

Software Engineer Intern, University of Phoenix, Phoenix, AZ May 2023 – Current

- Working with React.js and JavaScript to create robust and responsive components. With a keen focus on accessibility, I continuously strive to enhance user experiences while working extensively with Adobe AEM, Adobe ADA, and Adobe Target.

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*, *Kubernetes*, 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 high-performance architecture 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 / Project Manager, 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.
- Increased the monthly recurring revenue from less than **\$600 to over \$12,000**, as a software projects leader.

PROJECTS

Visualizing Fabric of Ohio City 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* by upgrading deprecated functions.
- Deployed *Flask* and *PostgreSQL* operating on *Azure Kubernetes Service* to improve reliability and scalability.

Code-Connect: Online Interview Tool 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 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 users**, and 2900 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.