

MOHAK SUNIL WAGHCHAURE

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SUMMARY

Frontend Engineer with extensive experience in developing high-performance web applications. Successfully increased code usability and application stability through clean coding practices. Proven ability to enhance UI interactivity and user experience. Eager to leverage expertise in frontend development to create engaging digital experiences.

WORK EXPERIENCE

Subconscious.ai, Inc.

Jun 2024 - Oct 2024

Frontend / UX Engineering Intern

New York, US

- Collaborated with designer and managers to create prototypes and UI specifications in Figma, in Agile methodology.
- Worked closely with a development team to design, build, and maintain high-performance web applications using Vercel, Next.js and React.js, increasing code usability by 40%. Used Tailwind, MaterialUI, Pygwalker and GSAP animations to enhance UI interactivity.
- Developed clean, maintainable code in TypeScript and JavaScript, enhancing application stability by 20%. Leveraged Docker to streamline development workflows and improve efficiency. Employed Jest and Mocha for robust unit testing, ensuring code reliability and maintainability.
- Troubleshoot and resolved bugs, conducted code reviews, and developed API routes integrated with a Python backend, using Git for version control. Built APIs with FastAPI and Flask, and implemented open-source AI libraries to enhance application functionality. Leveraged GCP and Remote Dev for optimized performance.

Rutgers university

Feb 2024 - Jun 2024

Re-Enrollment Volunteer

New Jersey, US

Rutgers university

Jun 2023 - Dec 2023

Peer Mentor - Rutgers University Newark Re-enrollment

New Jersey, US

- Managed RU-N Rising's social media using Planoly, designing compelling posts and flyers with Canva and Adobe Express that boosted student engagement by 40% on Instagram and implemented Flowcode for data collection through a single web page.
- Conducted analyses with Excel to develop personalized student guidance strategies, resulting in a 28% rise in graduation rates.
- Organized events to strengthen community among re-enrolled students and analyzed re-enrollment trends, leading to improved student retention and satisfaction
- Trained new peer mentors by offering insights and ongoing support, effectively enhancing the student experience.

Gray Matrix Solutions Pvt. Ltd.

Oct 2021 - Jun 2022

Assistant Frontend Developer

Mumbai, India

- Collaborated with UI/UX professionals in an Agile framework to conceptualize layouts, prototypes, and UI specifications in Figma.
- Collaborated within an 8-member team to build responsive front-end solutions, leveraging HTML, CSS, SCSS, Bootstrap, and media queries across 5+ websites and web applications. Enhanced UI interactivity by 20% using JavaScript, jQuery, and the GSAP animation library, managed WordPress integrations to support and maintain content management needs.
- Established project foundations using Node.js, created EJS templates, and developed 20+ reusable components with React.js and Angular.js, enhancing development efficiency and code reusability. Leveraged Jest for comprehensive unit testing to ensure code quality and reliability.
- Collaborated with backend and network engineers to enforce robust routing and controllers using Express.js while utilizing Git for version control. Supervised and mentored intern and junior developers, boosting productivity by 18%

Indigo Consulting - Digital Marketing Agency, Publicis Groupe

Jun 2019 - Sep 2020

Associate Developer

Mumbai, India

- Interacted with the team of designers, CSMs, and clients to grasp UI and project requirements within the Agile methodology.
- Associated in a 10-member frontend team to develop and maintain websites using HTML, CSS, SCSS, Media queries, JavaScript, and jQuery, while working with backend developers on .NET and Java integration, and handling validations, bug fixes, and FTP tasks.
- Managed content across five websites using various Content Management Systems, including WordPress, Umbraco, Sitefinity, Drupal, and AEM. Conducted client visits and provided ongoing support to ensure effective content delivery and client satisfaction.
- Boosted website performance by 22% through effective search engine optimization (SEO) techniques. Leveraged Google Lighthouse and GTmetrix for detailed analytics and performance insights to drive improvements.

Bysness Inc., Pinsaar Software Technologies Pvt. Ltd.

Sep 2018 - Jun 2019

Frontend Developer

Mumbai, India

- Synchronized with a team of 2 designers and 5 developers to brainstorm and establish UI requirements and layout designs.
- Developed Responsive web interfaces using HTML, CSS/SCSS for 5+ web applications, incorporated Media queries for Cross-device compatibility. Conducted manual, cross-browser compatibility testing for websites, utilized Git for version control.
- Improved user experience by 20% with dynamic functionality and animations using JavaScript and the GSAP Library.
- Managed Node.js backend operations with MongoDB/SQL database, including input fields, extensions, CRUD Operations, and Validations.

EDUCATION

Rutgers Business School - Newark and New Brunswick, Rutgers University

Aug 2022 - Dec 2023

Master, Information Technology and Analytics

- Coursework: Information Security, Business Data Management, Software Development, Analytics Business Intelligence, Project Management, Business Analytics Programming, Data Mining, Algorithmic Machine Learning, Data Visualization

SKILLS

- **Technologies:** HTML, CSS, SCSS, JavaScript, Typescript, JSON, Node, React, Next, Angular, Express, C++, Java, Python, SQL, MongoDB, FastAPI
- **Frameworks:** Flexboxgrid, Bootstrap, Tailwind, MaterialUI, jQuery, GSAP, EJS, Pandas, NumPy, Jest, D3js, ReactFlow, Spring, Spring Boot, Mocha
- **Tools:** Vscode, WebStrom, Tableau, GitHub, Git, Firebase, SourceTree, Redux, Postman, Swagger, Vercel, Docker, GCP, Jira, Npm, Webpack, Pygwalker
- **Methodologies:** Agile development, Version control, CI/CD, Search Engine Optimization, Data Structures & Algorithms, Object Oriented Programming, User-centered design, CMS, RESTAPI, Microservices

PROJECTS

Subconscious.ai inc.

Subconscious.ai (Web Application)

- Built an experiment flow with Next.js, utilized React components and hooks for state management and boost code reusability by 20%.
- Maintained components in Typescript utilizing ESLint, Wrote API routes for frontend, consolidated Tailwind, MaterialUI to enhance user interaction, and speed up the development process by 10%, Built API endpoints with FastAPIs, improving response times by 5%.

Subconscious.ai inc.

Subconscious.ai (Website)

- Maintained the Subconscious.ai website using Next.js, employing React components and hooks for efficient state management and developing a pricing page for the website, achieved a 20% performance increase through optimization techniques.
- Managed components in TypeScript while utilizing ESLint for code quality and Tailwind CSS for responsive design, ensuring a consistent and visually appealing user interface.

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Talkk.ai (Website)

- Established the initial setup with Node.js and EJS, and utilized HTML, SCSS, React, and Bootstrap to enhance code reusability by 17%.
- Implemented JavaScript and jQuery for a dynamic user interface, employed media queries for responsive and mobile-first design, and wrote Express.js code for effective page routing, leading to improved site performance by 25%.

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Differential Capital (React Application)

- Built user and admin modules with HTML, SCSS, used bootstrap and React components boosting code reusability by 25%.
- Implemented React animations along with JavaScript codes to enhance user interaction, responsive design and mobile-first approach, integrated webpage for a 20% faster development process.

Personal

Runners World (E-commerce Application)

- Developed an eCommerce platform using Java and Spring, leveraging dependency injection to streamline service management and improve modularity across the application.
- Built a responsive front-end with Bootstrap to enhance user experience by 40% and code reusability by 10%, seamlessly integrating with the Spring back-end for efficient inventory management, order processing, and customer interactions.

CERTIFICATIONS

- **The web Developer Bootcamp:** Colt Steele (Udemy) - HTML, CSS, JS, React, Node, MongoDB, Express, REST - Aug 2021
- **React - The Complete Guide:** Academind (Udemy) - React, Hooks, Redux, React Router - Jul 2021