ROHAN SONAWANE

Full Stack Software Developer

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PROFESSIONAL SUMMARY

A Full Stack Software Developer with **7+ years** of experience specializing in AI/ML, AR/VR, and web development and designed immersive VR experiences and AI-powered applications, while also developing scalable web platforms using React.js, Node.js, and Python and work includes AR/VR research at CSU Dominguez Hills. Also excel at blending emerging technologies with practical solutions to drive innovation and user engagement.

EDUCATION

California State University - Dominguez Hills   **August 2023 - May 2025**

Master of Science in Computer Science   *GPA: 3.75*
- **Director of Student Services** at Associated Students Incl. (ASI)
- **Relevant Courses:** Advanced Artificial Intelligence, Machine Learning, Data Structure and Algorithms, Object-Oriented Analysis and Design Methodology, Design and Analysis of Algorithms

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PROFESSIONAL EXPERIENCE

California State University - Dominguez Hills   Carson, CA, USA

VR Research Assistant   *October 2023 - Present*
- Created and optimized 5+ detailed 3D models and animations using Blender to illustrate complex physics concepts, enhancing student understanding by 30% based on user feedback.
- Researched and developed 5+ interactive VR applications using Unity, improving immersive learning experiences by 40% for educational purposes.
- Designed and implemented 3 interactive VR experiences, increasing engagement in digital classrooms by 25%.
- Integrated 3D models into VR environments and digital learning resources, streamlining the process and reducing project time by 20%.

Self Employed   Mumbai, MH, India

Full Stack Web Developer   *October 2020 - July 2023*
- **Crafted Website Solutions:** Successfully built website solutions by designing and creating compelling UI/UX employing a skill set that includes PHP, Python, SQL, HTML5, CSS3, JavaScript, React.js, and Node.js.
- **Enhanced Security and Performance:** Strengthened security and performance through regular updates, firewalls, and best programming practices, reducing security breaches by 80% and enhancing system performance.

Briefkase Digital Communications Private Limited   Mumbai, MH, India

Tech-Lead - Full Stack Web Developer   *March 2019 - September 2020*
- **Enhanced Team Efficiency and Quality Assurance:** Hired to lead a 5-person web development team, giving training in cutting-edge web technologies, resulting in a 50% increase in project delivery efficiency and an 80% decrease in bug-related issues.
- **Client-focused Technical Assistance:** A 30% increase in revenue and a 95% or higher satisfaction rating were attained by utilizing efficient technical support and transparent communication as the primary customer point of contact.
- **Collaboration:** Facilitated seamless communication with cross-functional teams, including SEO, paid media marketing, and graphic design, to deliver complex, interdependent projects.

Briefkase Digital Communications Private Limited   Mumbai, MH, India

Senior - Full Stack Web Developer   *June 2017 - March 2019*
- **Theme Development for Improved Performance:** Enhanced website performance by developing custom themes for WordPress, Magento, and Shopify to fit the specific demands of clients. Achieved a spectacular 70% performance improvement and an 85% boost in user engagement by simplifying themes for a seamless user experience.
- **Optimization of Marketing Tools**: Increased marketing tool performance by 50%, optimizing UI/UX and overall performance of the tool by using JavaScript to execute code on the client side instead of the server.

Briefkase Digital Communications Private Limited   Mumbai, MH, India
Junior Full Stack Web Developer   *June 2016 - May 2017*

- **Development of 30+ Web Applications**: Using HTML5, CSS3, JavaScript, PHP, SQL, and Python - designed and developed online apps to demonstrate my abilities as a Junior Full Stack Web Developer and developed dependable, feature-rich web applications.
- **Innovative Marketing Tool Creation:** Developed a marketing solutions tool for startups and SMEs, including a checklist-based progress monitoring system that empowered users to assess performance and receive actionable improvement recommendations to increase reach online.
- **Facebook Year in Review:** Led the development of a Facebook Year in Review online tool that provides in-depth metrics for user profiles. Utilized the Facebook API, PHP, and JavaScript for a secure, high-performance system.

PROJECTS

Custom WordPress Themes and Plugins
https://linktr.ee/rsonawane
- Event, Petition Management, Donate System.
- Developed a set of customized plugins with features ranging from event management to petition management to a donation system.
- Custom themes and plugins improved the functionality of the WordPress website, resulting in a 60% performance increase by removing redundant files, lowering load times, and optimizing resource utilization.
- Fast-loading websites resulted in greater Google ranks, better user experiences, and increased income.

Cryptocurrency VR Experience
https://github.com/rohansonawane/arvr-crypto
- Developed a virtual reality experience demonstrating crypto transactions, with future plans for integrating NFT and crypto transactions in apps and games.
- Built a VR platform using A-Frame to simulate cryptocurrency transactions in an immersive environment.
- Collaborated with a team to implement blockchain functionality within the VR space.
- Explored the potential of integrating NFTs into virtual reality applications and games.

Portfolio Website
https://rohansonawane.tech
- Built the website using Next.js and React.js to create a modern and responsive interface.
- Deployed the project seamlessly on Vercel using GitHub.
- Integrated Cloudflare for enhanced security and performance.
- Implemented Google Tag Manager for tracking and analytics.
- *Link to project*

Interactive Hate Map
https://cjp.org.in/hate-map
- An interactive hate map that tracks incidents of gender-based, castes, ethnic, and communal violence in India.
- Designed and developed a hate mapping tool using Mapbox API, HTML, CSS, JavaScript, and PHP.
- Enhanced efficiency by converting CSV to JSON, optimizing data handling and content loading without the need for database storage.
- The whole UI/UX was enhanced, ensuring that users could access faster and engage with the map to better understand and evaluate hate-related incidences in India.

SKILLS

Skills: AI, ML, HTML/CSS, PHP, JavaScript, Python, MailChimp, Wordpress, Drupal, Shopify, Unity, Flask, Docker, CI / CD, Jenkins, React.js, Next.js, Node.js, Flutter, Git, REST APIs, UI/UX Design, TypeScript, GraphQL, BigQuery, Blender, C#, Canva, C/C++, flutter, Go, Git, Google Analytics, Hotjar, JIRA, jQuery, Kubernetes, Laravel, Linux/Unix, MongoDB, MySQL, NoSQL, NumPy, Nuxt.js, OpenCV, OpenGL, Product Design, Ruby on Rails, Zapier, Web Development, Vercel, Tensorflow, Software Testing, Selenium, Pytorch