Bashu Bisht

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EDUCATION_____

Master of Science in Information Systems   (GPA: 3.8) May 2024
Northeastern University, Boston
Courses Taken: Web Design and Development, UI/UX Design and Development, Building Virtual Environments, Object Oriented Design, Data Science Engineering with Python, Application Modeling & Design, Data Management and Database Design, Application Engineering and Development (Java), Smartphone Application Development

SKILLS_____

- Programming: JavaScript, React JS, React Native, Three.js, WebGL**,** Node.js, Python 3.x, Java/J2EE, Swift, SwiftUI
- Web Technologies: HTML5, CSS, Tailwind, Bootstrap, Firebase, WebKit, Web Services, RESTful APIs
- Tools: Balsamiq, FIGMA, Jest, XCode, Amazon Web Services, NetBeans, IntelliJ IDE, Unity, Unreal Engine, Visual Studio, GitHub, DBeaver, MS Office
- Databases: MySQL, MS SQL Server, MongoDB, Snowflake

WORK EXPERIENCE_____

Software Engineer (Front End)   July 2018 - Dec 2021
Converse.ai | Singapore
- Spearheaded the development of the user interface and interactions for a 3D real-estate SaaS tool from **scratch** using modular **React** components, **Three.js**, **WebGL** and **Tailwind CSS**, resulting in a **responsive** and streamlined user experience that significantly increased user satisfaction.
- Implemented **Micro Frontends architecture** to optimize front-end performance and scalability, ensuring seamless navigation across the platform.
- Performed continuous testing with **Jest** throughout the development of each feature, achieving a **70%** reduction in bugs and error-free code.
- **Collaborated** regularly with the product design team to develop satisfactory user experiences.
- Extended this tool to **iOS** and **Android** platforms using **React Native**, which resulted in an expanded user base by 40%.
- Integrated **MongoDB** for efficient real-time data management, enhancing application responsiveness and user satisfaction.
- Championed the adoption of **test-driven development** methodologies and **Scrum practices**, resulting in improved code reliability, collaboration, and project time management.

Teaching Assistant   Sept 2022 - May 2024
Northeastern University, United States
- **Led** and **instructed** 4 weekly lab sessions on **JavaScript**, introducing Git/GitHub for version control and enhancing understanding of **front-end** fundamentals.
- Provided **personalized support,** aiding students in **resolving front-end programming issues** and implementing JavaScript unit tests for code reliability.
- **Mentored** students in **JavaScript, HTML, and CSS,** fostering a solid foundation in front-end development principles.
- **Collaborated** with students to **integrate front-end components with back-end services**, promoting interdisciplinary teamwork and guiding effective collaboration practices with Git/GitHub.

PROJECT WORK_____

- **Fitness Application** (2024):Led the design and development of an **iOS** fitness application utilizing **Swift, SwiftUI**, **Firebase**, and **WebKit**. This enterprise-level, multi-page application features an aesthetic UI/UX, providing users with customized workout plans, diet strategies, real-time progress tracking, and motivational elements to enhance their fitness journey.
  Github Link: https://github.com/bashubisht/iOS-FitnessApp
- **3D Portfolio** (2024): Crafted a personal 3D interactive portfolio showcasing my development skills and projects**,** utilizing **HTML5, JavaScript, tailwind CSS.**
  Portfolio Link: https://bashubisht.com/
- **E-Commerce Website** (2023)**:** Developed a full-stack e-commerce platform using the **MERN** stack (**MongoDB, Express.js, React.js, Node.js**) with features like real-time updates, user authentication, and payment integration to enhance user experience and operational efficiency.