

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, Node.js, Python 3.x, Java/J2EE, Swift, SwiftUI
- Web Technologies: HTML5, CSS, Tailwind, Web Services, RESTful APIs
- Tools: Balsamiq, FIGMA, 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

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.

Software Engineer (Front End)

Nov 2019 - Dec 2021

Converse.ai | Singapore

- Spearheaded the **enhancement of user interface and interactions** in a real-estate SaaS tool by developing new features with **modular React components**, resulting in **streamlined user experiences** and increased **user satisfaction**.
- Implemented **microservices architecture** to optimize front-end performance and scalability, ensuring seamless navigation across the platform.
- **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.

PROJECT WORK

- **3D Real Estate Viewing Optimizer** (Convrse.ai): **Led** the development of a **3D Real Estate Viewing Optimizer** using **Java, React JS, SQL, MySQL, HTML, CSS, AWS, Google Maps API, Unity3D, and OpenGL**. **Co-developed** an innovative **3D model** aimed at transforming the real estate tour experience, enabling seamless property exploration from bird's-eye view to granular details. **Integrated Google Maps API** to enrich platform functionality, exceeding client expectations with an interactive and engaging real estate viewing platform.
- **Emergency Request Dispatch System** (2022): **Spearheaded** the development of an Emergency Request Dispatch System using **JavaScript, HTML, CSS, Snowflake, AWS, and Google Maps API**. **Implemented** user-centric features including emergency request creation and streamlined dispatch through location tracking. Collaborated closely with cross-functional teams to ensure seamless **integration with Snowflake, AWS**, and backend systems, optimizing performance and user experience.
- **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.
- **Fitness Application** (2024): **Led** the design and development of an **iOS** application using **Swift, SwiftUI** in **NetBeans IDE**, leveraging **OOP** principles.