

Bashu Bisht

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EDUCATION

Master of Science in Information Systems

(GPA: 3.8) May 2024

Northeastern University, Boston

Courses Taken: Object Oriented Design, Data Science Engineering with Python, Application Modeling & Design, Data Management and Database Design, Application Engineering and Development (Java), Web Design and Development, UI/UX Design and Development, Building Virtual Environments, Smartphone Application Development

SKILLS

- Programming: Python 3.x, Java/J2EE, JavaScript, React JS, Node.js, Swift, SwiftUI
- Web Technologies: HTML5, CSS, Tailwind, Web Services, RESTful APIs
- Tools: XCode, Amazon Web Services, NetBeans, IntelliJ IDE, Unity, Unreal Engine, Visual Studio, GitHub, DBeaver, MS Office
- Databases: MySQL, MS SQL Server, MongoDB, Snowflake
- Certifications/Trainings: 6 months Java Core

WORK EXPERIENCE

Teaching Assistant

Sept 2022 - May 2024

Northeastern University, United States

- **Led and instructed** 4 weekly lab sessions on **Java programming**, covering **core concepts**, best practices, and introducing **version control** using **Git/GitHub**.
- Provided **personalized assistance** to students, enhancing their understanding of **Java programming fundamentals**, **object-oriented programming principles**, and **Java development tools**.
- **Mentored** students in **integrating Java components** with backend systems, fostering **collaboration** and efficient **teamwork practices** through **Git/GitHub**.
- Developed and reinforced a strong foundation in **Java**, **Unit Testing**, **GitHub**, **IntelliJ IDEA**, **Maven**, and **Visual Studio** by facilitating **hands-on problem-solving** and collaborative learning sessions.
- Emphasized **debugging techniques** and **Java syntax elucidation**, empowering students to overcome programming challenges and improve their **coding proficiency**.

Software Engineer

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** and leveraged **distributed storage technologies** like **MongoDB** to optimize **front-end performance** and **scalability**, ensuring **seamless navigation** across the platform and enhancing overall **application responsiveness**.
- Championed the adoption of **Scrum methodologies** for **agile software development**, leading to improved **collaboration**, **project time management**, and delivery of high-quality **software products**.
- Improved **code reliability** and **reusability** by 30% through the implementation of **modular programming**, **version control**, **automated testing**, and **code reviews**, thereby enhancing **product quality**, **development efficiency**, and **maintainability**.

PROJECT WORK

- **3D Real Estate Viewing Optimizer** (Convse.ai): **Led** the development of a **3D Real Estate Viewing Optimizer** using **Java**, **React JS**, **SQL**, **MySQL**, **AWS**, **Google Maps API**, **Unity3D**, and **OpenGL**. **Co-developed** a 3D model for seamless property exploration and **integrated Google Maps API** for enhanced functionality.
- **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 and ensured seamless integration with backend systems.
- **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.
- **SOS Fitness Application** (2024): **Led** the design and development of an **SOS** application using **Java** in **NetBeans IDE**, leveraging **OOP** principles.