

# Bijay Maharjan

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## EDUCATION

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### Louisiana State University at Shreveport

Shreveport, LA

*M.S in Computer System Technology (4+1 Program), 4.0 GPA*

*May 2019 – Dec 2020 (Expected)*

- **Relevant Courses:** Software Engineering Concept, Database Modeling and Design, Data Mining, Machine Learning, Mobile Development (iOS), Information Visualization

*B.S in Computer Science in Software Development, 3.95 GPA*

*Jan 2017 – May 2020*

- **Relevant Courses:** Data Structures, Analysis of Algorithms, Object-Oriented Programming, Compiler Design, Systems Programming, Database Systems, Rapid App Development
- **Awards:** Summa Cum Laude, LSUS Outstanding Student Award 2019

## TECHNICAL SKILLS

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**Languages:** Java, JavaScript, C#, Python, Swift, R

**Databases:** MySQL, MongoDB

**Frameworks & Libraries:** React, Node.js, Express.js, React Native, Xamarin Forms

**Developer Tools:** Git, Subversion, Docker, Sanity, TravisCI, Nginx, Heroku, AWS, Tableau

**Operating Systems:** Windows OS, Ubuntu, macOS

## EXPERIENCE

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### Graduate Assistant at LABi

June 2019 - Present

*Louisiana State University at Shreveport*

*Shreveport, LA*

- Developed frontend part of a cross-platform mobile application using .NET framework (Xamarin-Forms), deployed it to Google Play Store and Apple Store
- Analyzed and researched several biomedical data for multiple interdisciplinary projects between LSUS and Feist-Weiller Cancer Centre, presented selected work in the 18th LBRN Annual Meeting
- Contributed to database development by designing SQL schemas, and wrote scripts to automate the insertion of a large chunk of data from CSV files to the database
- Graded and provided students feedback on assignments, exams, and projects for data structures, algorithms, and object-oriented programming classes in the Computer Science department

## PROJECTS

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**Project Links :** [linktr.ee/bmaharjan](https://linktr.ee/bmaharjan) | [bmaharjan.com](https://bmaharjan.com)

### ApartmentMe | *HTML/SASS, JavaScript, React.js, Express.js, MongoDB, Git, Heroku*

May 2019 – May 2020

- A responsive SPA Web application that allows users to search or post apartments for rent in a selected location.
- Implemented RESTful API design with Node.js and Express.js along with MongoDB as database, developed frontend using React.js
- Used MongoLab and AWS S3 for storing data, automated CI/CD pipeline using Heroku and Github

### Diabetes Risk Calculator | *C#, Xamarin Forms, SVN*

June 2019 – Dec 2019

- A cross-platform mobile application developed in LABi for Feist-Weiller Cancer Centre that uses Heikes et al. decision tree classifier to improve the detection of undiagnosed and pre-diabetes
- Used Xamarin Forms WebView to display custom HTML elements in mobile screens
- Successfully generated the binary(APK and IPA) files and uploaded them to Google Play Store and Apple Store for deployment

### My Blogs | *HTML/SASS, JavaScript, Next.js, React-Bootstrap, Express.js, Git, Heroku*

May 2020 – July 2020

- A serverless SSR Web application for posting and managing my personal tech-related blogs, implemented Next.js and React-Bootstrap for responsive frontend development
- Used Sanity, a headless CMS as a backend content management system

### Personal Portfolio Website | *HTML/SASS, JavaScript, React.js, Bootstrap, Git, Heroku*

July 2020 – Aug 2020

- A responsive portfolio website for posting my professional projects, experiences and achievements