

# Bijay Maharjan

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## EDUCATION

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### Louisiana State University at Shreveport

Shreveport, LA

*Master of Science (4+1 Program), December 2020*

- **Coursework emphasis:** Computer Systems Technology

*Bachelor of Science, May 2020*

*Summa Cum Laude*

- **Major:** Computer Science    **Concentration:** Software Development

## TECHNICAL SKILLS

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

**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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### Full Stack Developer Intern

June 2020 - August 2020

*STEM Away*

*Remote Internship*

- Developed a custom discourse theme using JavaScript, CSS, and Handlebars that can be integrated into any discourse forums
- Collaborated with international team members remotely and presented the final product to the Vice President of Software Development & Business Strategy at Intel

### Graduate Assistant at LABi

June 2019 - present

*Louisiana State University at Shreveport (LSUS)*

*Shreveport, LA*

- Developed mobile applications using modern technologies like Xamarin Forms, React Native and Swift, deployed them to Google Play Store and Apple Store
- 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)

### Personal Blogs

July 2020 – August 2020

*HTML/SASS, JavaScript, Next.js, Sanity, React-Bootstrap, Express.js, Git, Heroku*

- Constructed a serverless SSR Web application for posting and managing tech-related blogs, implemented Next.js and React-Bootstrap for responsive frontend and Sanity, a headless CMS for content management

### ApartmentMe

May 2019 – May 2020

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

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

### Diabetes Risk Calculator

June 2019 – December 2019

*C#, Xamarin Forms, Subversion*

- Developed frontend of cross-platform mobile application in LABi for Feist-Weiller Cancer Centre that uses Heikes et al. decision tree classifier to improve the detection of undiagnosed and pre-diabetes
- Built the application using .NET framework (Xamarin Forms) and deployed it to Google Play Store and Apple Store