

Bijay Maharjan

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EDUCATION

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

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

Full Stack Developer Intern

June 2020 - Aug 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

Shreveport, LA

- Developed mobile applications using modern technologies like Xamarin Forms, React Native and Swift, deployed them 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

Project Links: linktr.ee/bmaharjan | bmaharjan.com

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

July 2020 – Aug 2020

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

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
- Built the application using .NET framework (Xamarin Forms) and deployed it to Google Play Store and Apple Store

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