

Bijay Maharjan

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EDUCATION

Louisiana State University at Shreveport – Shreveport, LA

M.S in Computer System Technology (4+1 Program, Combined B.S. and M.S.), 4.0 GPA **May 2019 – Dec. 2020 (Expected)**

- **Relevant Courses:** Software Engineering Concept, Database Modeling and Design, Data Mining, Machine Learning, Mobile Programming

B.S in Computer Science – 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
- Summa Cum Laude, LSUS Outstanding Student Award

TECHNICAL SKILLS

Languages: Java, JavaScript, C#, Python
Web Technologies: HTML/CSS/SASS/BEM, React.js, Bootstrap, Node.js, Express
Mobile Technologies: Xamarin Forms, Swift, React Native
Databases: MongoDB, MySQL
Deployment Pipeline: Git, Subversion, Docker, Travis CI, Nginx, Heroku, AWS
Designing: Adobe Photoshop, Adobe XD

WORK EXPERIENCE

Graduate Assistant - LABi | Louisiana State University at Shreveport – Shreveport, LA

June 2019 - Present

- Contributed to the frontend development of a cross-platform mobile application using .NET framework (Xamarin-Forms), deployed it to Google Play Store and Apple Store.
- Analyzed biomedical data for multiple interdisciplinary projects between LSUS and LSU Health Science Centre using several data analytics tools and techniques.
- 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.
- Assisted in grading assignments, exams, and projects for data structures, algorithms, and object-oriented programming classes in the Computer Science department.

PROJECTS

Links: linktr.ee/bmaharjan | bmaharjan.com

ApartmentMe | Web Application – Capstone Group Project (Team of 3)

May 2019 – May 2020

- A responsive SPA web application that allows users to search or post apartments for rent in a selected location.
- **Tools Used:** HTML/SASS, JavaScript, React.js, Bootstrap, Express, MongoDB, Git, Heroku

Personal Portfolio | Web Application – Personal Portfolio Project

Jan. 2020 – Feb. 2020

- A responsive portfolio website for posting my professional projects, experiences and achievements.
- **Tools Used:** HTML/SASS, JavaScript, React.js, Bootstrap, Git, Heroku

My Blogs | Web Application – Personal Blog Project

June 2020 – July 2020

- A serverless SSR web application for posting and managing blogs, implemented Next.js and React-Bootstrap for responsive frontend design and Sanity - a headless CMS as a backend content management system.
- **Tools Used:** HTML/SASS, JavaScript, Next.js, React-Bootstrap, Express, Git, Heroku

Diabetes Risk Calculator | Mobile Application - Developed in LABi in collaboration with LSU-Health **June 2019 – Dec. 2019**

- A cross-platform mobile application that uses Heikes et al. decision tree classifier to improve the detection of undiagnosed and pre-diabetes.
- **Tools Used:** C#, Xamarin Forms, SVN