

NABIN NEUPANE

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OBJECTIVE

To obtain a professional software development/engineering position utilizing my relevant experiences and adept problem-solving skills.

TECHNICAL SKILLS

- **Programming Languages**
JavaScript, Java, python, C++
- **Web Development**
React JS, Node JS, Express JS, Restful API, CSS, HTML
- **Database Management**
MySQL
- **Machine Learning**
Pandas, NumPy, Scikit-Learn, Autoencoder
- **Familiar with:**
C, MATLAB

AREAS OF INTERESTS

- Dynamic System Development
- Data driven Applications
- Streamlined Full Stack Solutions

RELEVANT COURSEWORK

- Software Design and Development
- Web Server Programming
- Algorithm & Data Structures.
- Database Management and System Design
- Object Oriented Programming
- Operating System
- Computer Architecture

HONORS AND AWARDS

- Eagle SPUR grant, Drapeau Center for Undergraduate Research, USM 2019
- Danny R. Carter Endowed Scholarship, USM 2018
- President's List, USM Fall '18, Fall '19

EDUCATION

- The University of Southern Mississippi *Hattiesburg, Mississippi*
Bachelor of Science *May 2020*
- **Computer Science**
 - **Minor: Mathematics**
 - **Cumulative GPA: 3.864**

NOTABLE PROJECTS

- Our Safe Neighborhood** (Cal Hacks 6.0) *October 2019*
A web application that shows how safe the neighborhood is based on local news
Python, React JS
- Created an NLP pipeline that scraps through local news articles and analyze the severity of the crime.
 - Created a React based web application that integrates the Google Map API to extract location to display the crime severity on that location based on the generated data.
- FixIT** *August 2019*
A web-based user interface built to manage IT-ticket system
React JS, Express JS, MySQL
- Developed a web-based application using React JS that maintains the IT-tickets.
 - Built a relational Database table using MySQL that is used for the basic CRUD application.

- Smart Tool** *August 2018*
A web-based user interface to track employee's current/worked projects
AngularJS, JAVA
- Created the layout for the user interface using Angular and HTML.
 - Styled the basic design for the user interface using the CSS components.
 - Used MYSQL to perform CRUD operations and also provide administrative control to some employees

RESEARCH PROJECTS

- Predicting the potential toxicity of chemical compounds using feature engineering and dimension reduction algorithm** *Summer 2019*
Advisor: Dr. Chaoyang Zhang
- Used Auto-encoders as dimensionality reduction algorithm and decision tree to develop a machine learning model that predicts the toxicity of chemical compounds.