

# AMAN GYAWALI

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**Objective:** Seeking Full-time position in Software/Web/App Development role.

## EDUCATION

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**Mississippi State University (MSU), Starkville, Mississippi**

Bachelor of Science in Computer Science, **November 2020**

GPA: 3.9/4.00

**Northlake College, Dallas, Texas**

Associate of Science, **December 2018**

GPA: 3.95/4.00

## WORK EXPERIENCE

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*Jr. Software Developer, Intern*

**May 2020 – August 2020**

**BeyondTrust Corporation, Jackson, Mississippi**

- Worked as a full stack developer on a project named **Watcher**, to design a website which monitors the health of the company's appliances.
- On the Frontend, designed a component-based UI, providing a visual and functional consistency, using **JavaScript & Svelte**.
- On the Backend, managed the database using **Python, SQLAlchemy & Flask** and used **RESTful API** to access and use data.
- Successfully improved the performance of the website by writing the effective queries and by database indexing.
- Added some additional features on the website like login system, email alert system and maintenance mode.
- Planned the work, identified the risks, and communicated effectively with the team leads and managers.

## PROJECTS

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- Designed a personal portfolio showing my works and achievements, using **HTML5, CSS, JavaScript, and Bootstrap**.
- Created a website to get the Live scores of latest 7 cricket matches using **HTML5, CSS, JavaScript, Bootstrap** and **API**. It also shows the player's individual performance record in a match. Here, I used GET request to fetch the data which was provided in the JSON format and allocated those data dynamically in the UI using the JavaScript.
- Developed and implemented e-commerce website for a virtual restaurant named We Serve using **HTML5, CSS, PHP, and JavaScript**. This include a database which supported management of products and customers. Visitors who created a user account had more functionality than site visitors and administrator account had more functionality than user.
- Built a responsive webpage for virtual premier food delivery company named **Omnifood** using **HTML5** and **CSS**.
- Created an interpreter for the subset of TIPS (which is a subset of Pascal Programming Language) using C++ which helped me evaluate the design and implementation features of programming languages.
- Designed a program which implement a video poker machine which processes the basic rules of a five card draw hand using C++ and object-oriented programming techniques.
- Built a basic UNIX shell which reads and processes the basic commands, using **C** and implemented it on **LINUX** development environment.

## TECHNICAL SKILLS

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- **Web Technologies:** HTML5, CSS, PHP, JavaScript, Svelte, Bootstrap, WebAPI, Rest API, Flask
- **Programming Language:** Python, C++, C, Assembly language
- **Tools:** Postman, Burp-Suite, Ubuntu & Kali, GitHub & Stash, JIRA, Visual Studio Code, Microsoft Office package
- **Other:** SQL, MySQL, SQLAlchemy, SQL Injection, Cross-site Scripting, OOP

## RELEVANT COURSES

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Data structure and Algorithm, Database Management System, Programming Language, Computer Architecture, Penetration Testing, Cryptography, Discrete Client/Server Programming, Data communication, Artificial Intelligence, Operating System, Formal Language, Digital Devices, Microprocessor, Engineering Statistics, Technical Writing, Calculus (I II and III)

## HONORS, SCHOLARSHIP AND ACTIVITIES

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- Non-resident and Phi Theta Kappa Scholarship awarded by **Mississippi State University (2019)** & Presidential Scholarship awarded by **Mississippi University for Women** for academic excellence **(2016)**.
- Mahatma Gandhi Scholarship awarded by the Embassy of India **(2013-2014)**
- Worked as an **Information Assistant**, for the Department of Resident and Housing life at **MSU (2019 – 2020)**.
- Certificate of successful completion of Facebook/codepath.com cybersecurity course **(2020)**.
- Successfully completed the Capture the flag (CTF) activities involving the Phishing, SQL Injection, XSS. **(2020)**
- Member: Phi Theta Kappa Honor Society **(2017)**
- 20 hours community service picking garbage from the surrounding of Northlake College. **(2017)**
- Volunteered to the United States flag in the houses of Irving community, Dallas on Veterans Day **(2017)**.