Dol Raj Bashyal

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EDUCATION

The University of Southern Mississippi   Expected May 2027
BS Computer Science
Mathematics Minor
GPA: 4.0 /4.0 cumulative

PROJECTS

Spam Word Detection in Mail using Trie Data Structure:
Developed a spam word detection system as part of a Data Structures Project. The project involved creating a Trie data structure to efficiently store and search for spam words in email content.

- Technologies Used: C++, Qt Framework, Git
    - Implemented a Trie data structure to store spam words.
    - Developed functions to add, delete, and search for words in the Trie.
    - Created a user-friendly GUI using Qt for interacting with the system.
    - Enabled multi-line input for email content and displayed detected spam words.
    - Utilized Git for version control and collaboration.

Theater Seating Management System | .NET MAUI, C#, XAML, Cross-Platform Development
- Developed a cross-platform theater seating management system using .NET MAUI that efficiently processes seat reservations and cancellations
- Implemented responsive UI designs with XAML that adapt seamlessly across multiple device types and screen sizes
- Created a consistent user experience across Windows, Android, iOS, and macOS platforms with a single shared codebase
- Designed an intuitive visualization system for theater administrators to manage seating arrangements and customer bookings

Madbirds: Three levelled 'Angrybirds' prototype game in Unity(2d) engine using C#.

EXPERIENCE

Software Engineering Team Member   Aug 2023- Present
Google Developer Student Club, USM   Hattiesburg, MS
- Learned Web Development by creating a Ticketing Website project.
- Gained groupwork, time management and interpersonal skills.

Concession Cashier   Sep 2023-Present
Aramark   Hattiesburg,MS
- Managed different payment options, processed customer orders.
- Ensured a clean and organized work environment.

HONORS AND LEADERSHIPS/EXTRACURRICULAR

President's List Term Honor, University of Southern Mississippi   Aug 2023- Present
University of Southern Mississippi

Academic Excellence Full Tuition Scholarship   Aug 2023- Present
University of Southern Mississippi