

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

Research Paper Parser | .NET MAUI, C#, XAML, SQLite, Google Gemini API

Software Development Foundations Project (CSC 317)

- Developed a cross-platform app using .NET MAUI to simplify research by generating concise summaries of academic papers.
- Implemented secure user authentication with registration and login functionalities.
- Enabled document upload (PDF/DOC formats), integrated Google Gemini API for text extraction and summarization, and displayed summaries clearly within the app.
- Built a persistent summary history feature leveraging SQLite database for easy tracking and retrieval.
- Emphasized modularity by separating backend logic, database management, and frontend design.

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.

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