

JANIT RAJKARNIKAR

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GitHub | LinkedIn | Portfolio

EDUCATION

University of Southern Mississippi

Computer Science Major

Economic Data Analysis Minor

GPA: 4.0

Hattiesburg, MS

January 2023 - May 2026

EXPERIENCE

University of Southern Mississippi

Research Assistant

Hattiesburg, MS

May 2024 - Present

Project: Comparative Analysis of Ensemble Models for Practical Phishing Detection

- Selected and implemented effective feature selection methods, optimizing model performance for phishing detection.
- Trained multiple ensemble models, contributing to the comparative analysis and current drafting of the research paper.

SKILLS

Programming Languages: Javascript, C++, Python, C#, Visual Basic

Libraries/Frameworks: NodeJS, Django, React, Next, ThreeJS, React Native, Express, Yarn, Flask, Pytorch, .NET, Matplotlib, Pandas, Unity

Tools / Platforms: Git, VS Code, Firebase, AWS, Azure

Databases: SQLite, MongoDB

PROJECTS

The Designers Touch

React, Node.js, Express, Three.js, Firebase, AWS

- Developed an interactive platform allowing users to design custom merchandise with a real-time 3D preview, enhancing the user experience with dynamic design visualization.
- Deployed the website, managing server maintenance, version control, and continuous integration using AWS.

Calorie Tracker

React Native, SQLite, Node.js

- Developed a simple and intuitive mobile app for tracking daily calorie intake, ensuring a smooth and intuitive user experience.
- Implemented efficient data storage and retrieval mechanisms with SQLite, enabling users to easily log and monitor calorie consumption, set goals, and check intake history.

Emotion Tracker (Emoki)

React Native, SQLite, Node.js, Express, Flask, MongoDB, Firebase

- Enabled real-time emotion tracking using ML models, offering insights into emotional trends over time, while also logging intense emotions and their locations for further analysis.
- Developed a chatbot feature that tracks user messages and emotions, offering personalized responses to soothe emotional distress.

Finance Management Application (Otus Finance)

C#, SQLite

- Engineered a finance management application using C# and SQLite, featuring a modular architecture for managing financial transactions and budgeting.
- Optimized database operations in SQLite, resulting in efficient data handling and improved application performance for real-time financial management.

HONORS & AWARDS

- Merit Based Scholarship that covers full tuition. - January 2023
- President's List Scholar - Spring 2023, Fall 2023, Spring 2024