

FARIDA BELAL

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Computer Science graduate with experience in software development, data science, and AI-focused projects, leveraging Python, Java, SQL, PHP, and modern web technologies to build practical, scalable solutions.

EDUCATION

The University of Mississippi — Oxford, MS

Graduated May 2026

Bachelor of Science in Computer Science | Minor: General Business | GPA: 3.65 / 4.00

Honors: Upsilon Pi Epsilon Honor Society • Mortar Board National Honor Society • Sally McDonnell Barksdale Honors College • Chancellor's Honor Roll • Dean's List

TECHNICAL SKILLS

Programming: SQL, Python, Java, C/C++, PHP, HTML, CSS, MATLAB

Tools & Platforms: GitHub, VS Code, IntelliJ, Xcode, Databricks, Jupyter, PyTorch, Apache Spark, Adobe Suite, Microsoft Suite

Relevant coursework: Algorithms, Database Systems, Software Development, Analytics, Data Science, Deep Learning, Data Structures, Data Modelling, Web Design, Foundations of Computer Security, Computer Organization & Assembly Language

WORK EXPERIENCE

UM Foundation — University of Mississippi, University, MS

June 2025 — May 2026

IT Intern

- Managed user account provisioning and permissions across Active Directory and Microsoft 365 for a multi-department organization.
- Diagnosed and resolved cross-functional hardware, software, and network issues independently, serving as the primary point of contact for staff technical support.
- Standardized IT documentation practices, reducing recurring support requests by creating reusable resolution guides.
- Developed and maintained PowerShell automation scripts for common IT operations, including mapped drive auditing, OneDrive remediation, and system configuration tasks, improving efficiency and reducing manual support workload.

The Daily Mississippian, Oxford, MS

Oct 2024 — Feb 2026

Web Developer & Assistant Design Editor

- Maintained and enhanced a production website, troubleshooting cross-device issues and implementing frontend improvements to support thousands of monthly readers.
- Delivered twice-weekly publications and supported newspaper design and layout for 6 months, ensuring consistent, on-time releases.

Dell Technologies, Cairo, Egypt

June 2024 — Aug 2024

Technology Summer Intern

- Selected for Dell's international technology program; completed applied modules in Generative AI, cloud infrastructure, and enterprise virtualization.
- Presented an AI adoption strategy to senior engineers and developed AI-driven solutions tailored to global telecommunications use cases.

University of Mississippi, University, MS

Jan 2024 — May 2024

Teaching Assistant — CSCI 251

- Evaluated weekly MATLAB assignments, providing detailed feedback on data structures, functions, and algorithm design while creating practice exercises later adopted by the course instructor for future semesters.

PROJECTS

Cross -Media Recommendation Website — PHP · SQL · MySQL · JavaScript · HTML · CSS · REST APIs

- Built a full-stack recommendation platform that aggregates media data from multiple APIs and stores user preferences in a MySQL database; developed database-driven features including user authentication, favorites, custom boards, and personalized recommendations using PHP, SQL, and JavaScript.

AI Agent Pipeline for Document Optimization — Python · OpenRouter API · LLMs · Vision-Language Models

- Designed and implemented a multi-step agentic AI pipeline using foundation models (LLMs, VLMs, MLLMs) to automate a practical document optimization task, structuring the workflow into analysis, decision, action, and verification stages.

LEADERSHIP & ACTIVITIES

- Honors Senate Scholar, UM Honors College** (Sept 2025–May 2026) • **Operations & Stage Director, TEDx UM** (2022–2024)
- Leadership & Engagement Ambassador, UM** (2023–2024) • **Hackathon Contributor, Hack Beta UM** (Jan 2024 — April 2024)