MANDIP ADHIKARI

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EDUCATION

The University Of Southern Mississippi   Expected Graduation: **May 2027**
Bachelor of Science in Computer Science (GPA: 4.00, Honors Scholar)   *Hattiesburg, MS*

Relevant Coursework:
Computer Science I & II, Calculus I & II with Analytic Geometry, Data Structures and Algorithms, Computer Systems

TECHNICAL SKILLS

Languages: Javascript, Typescript, Python, C, C++, SQL, PHP, HTML, CSS, Latex
Web Technologies: React, Next.js, Express, TailwindCSS, Git, Docker, Firebase, Supabase, Shell
Other: Project Management, Agile Methodologies

EXPERIENCE

Office of Institutional Effectiveness   February 2024 - Present
Project Specialist   *USM*

- Consolidated and restructured degree requirements for **50+** undergraduate programs into a comprehensive spreadsheet format, streamlining data analysis and enhancing curricular insight.
- Digitized **500+** faculty transcripts, creating a searchable database to enhance data accessibility and analytics.
- Coordinated and analyzed critical data for SACSCOC accreditation reports, ensuring **100%** accuracy with a **6+** member team.

Nobel Explorers   May 2022 - August 2022
Student Intern, Internship   *Remote*

- Designed and delivered workshops on UI/UX principles, resulting in a **40%** improvement in participants' web design proficiency based on project evaluations.
- Innovated a cafe website with **5+** interactive features, including online ordering and reservation systems, enhancing customer experience.
- Mentored a team of **25+** interns, providing hands-on guidance in UI/UX design techniques and emphasizing practical application at the end of the internship.

PROJECTS

ezl ⬈   November 2024 - Present
Full Stack Developer

- Engineered a production-ready web application using **Next.js** and **Supabase**, improving data management efficiency by **40%** and enhancing user interaction for the EZL platform.
- Integrated **API services** for email, canvas, and calendar functionalities, reducing communication and scheduling time by **50%** for users.

Ottomail ⬈   August 2024 - Present
Full Stack Developer

- Spearheaded a comprehensive frontend redesign, utilizing **React and Tailwind CSS**, resulting in a **40%** improvement in user interface responsiveness and a **25%** increase in user engagement.
- Contributed to backend development using **Python, FastAPI, and AWS Lambda**, implementing a vector database capable of processing **10,000+** emails per day, enabling AI-generated replies with **95%** contextual accuracy and reducing response time by **60%**.

TrashTalk ⬈   November 2023
Team Lead, Full Stack Developer

- Collaborated on the creation of an **AI model** trained on a dataset of **25,000+** images, resulting in an accuracy of **90%** for the waste identification system.
- Developed a website using **React and TailwindCSS** with real-time video analysis, reducing user waste sorting time by **50%**.

DAppStore ⬈   April 2021
Developer

- Built a decentralized application (dApp) on the Ethereum blockchain using **Solidity and Javascript**, enabling users to add and list products on a secure and transparent marketplace.
- Designed a user-friendly **web interface with Bootstrap** for seamless interaction with the dApp, allowing users to easily manage their product listings and transactions.

HONORS & CLUBS

Core Team	**Google Developer Student Club** at USM	October 2023 - Present
Full-ride Scholarship	Awarded with **Honors College Presidential Scholarship** at USM.	August 2023 - May 2027
1st-Runnerup, ENBCC	**1st-Runner up** in the Nepal's first virtual **national business case competition** conducted by Seedlings Nepal.	November 2021