

NIRAJAN SANGRAULA

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EDUCATION

University of Louisiana Monroe(ULM) – Monroe, Louisiana

Expected December 2023

Bachelor of Science – Computer Science (Honors) with a minor in Mathematics.

WORK EXPERIENCE

IBM Louisiana Economic Development Grant

Software Developer

August 2021 - Present

- Developed Web applications for small businesses to boost productivity in sales, inventory, billing, etc.
- Reduced inventory management cost by 35% by building a web application implementing **REST APIs** in **Django**, **SQL** database, and model in **MYSQL** for the app's backend, and **HTML**, **CSS**, **JavaScript**, and **React** for the presentation layer.
- Updated old code bases to modern development standards, improving functionality.
- Lead a team of 5 members and communicate with clients/management about project requirements and updates.

DXC Technology

Technical Intern

June 2022 – August 2022

- Reduced talent search time within the company by 60% by working collaboratively in an agile environment to design, test, develop, and deploy a cloud-native application.
- Designed a **microservices solution** architecture to monitor and log daily server tasks and reports to create visual dashboards using **Power BI**, and embedded dashboards into a custom web application in 4 sprints.
- Worked as **Tech Lead/ Scrum Master** in 1 of 4 sprints.
- Used **Jira** for user stories and **Git** for version control.

Department of CS, ULM

Undergraduate Teaching Assistant

February 2022 – November 2022

- Initiated the role of a graduate student as a Junior Undergraduate to assist a professor in facilitating and directing a daily 2-hour class on **Python** and **Java** for about ~30 Freshmen.
- Handled ~15-20 questions and confusion about concepts and assignments related to object-oriented design, data structures, control structures, etc. in each session.

SKILLS

- **Languages:** Java, JavaScript, Python
- **Front-end:** HTML, CSS, Bootstrap, React.js, Figma
- **Back-end:** Django, Node.js, Express.js, Gunicorn, Nginx
- **Databases:** MongoDB, MySQL, PostgreSQL
- **OS Dev Environments:** Linux, Windows, macOS
- **Others:** Git, GitHub, Jira, Docker, AWS, Power BI, YAML

PROJECTS

Blue Collar

[Github.com/Nirajan-15/Blue-Collar](https://github.com/Nirajan-15/Blue-Collar)

- Built a full-stack web application to allow users to find and post jobs easily.
- Utilized Django, PostgreSQL, Gunicorn, and Nginx for the app's backend, Docker for containerization, and HTML, CSS, and Bootstrap for the front-end layer.

Portfolio

[Nirajan-15.github.io/Nirajan-Sangraula](https://nirajan-15.github.io/Nirajan-Sangraula)

- Built a personal portfolio website using React.js, HTML, and CSS.
- Deployed as GitHub Pages utilizing GitHub actions for CI/CD.