

# Sagar Karki

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## SUMMARY

Computer Science Honors graduate with a strong foundation in full-stack web development, cloud platforms, and AI/ML integration. Experienced in building real-world applications using React, Node.js, and Python. Proven ability to lead and deliver solutions in both software engineering and IT environments. Actively seeking software development opportunities to solve real-world problems through scalable, maintainable code.

## EDUCATION

### University of Louisiana at Monroe

*Bachelor of Science in Computer Science (Honors)*

Monroe, LA

Aug 2021 – May 2025

## TECHNICAL SKILLS

**Frontend:** React.js, Next.js, HTML5, CSS3, Tailwind, Bootstrap, Chart.js

**Backend:** Node.js, Express.js, Flask, RESTful APIs

**Languages:** JavaScript, Python, Java

**Databases:** MySQL, MongoDB, Firebase

**Tools & Platforms:** Git, GitHub, VS Code, PyCharm, Azure, AWS, Cisco Meraki

**Testing/Automation:** Selenium, Postman, BeautifulSoup

**AI/ML:** Meta LLaMA, Pandas, NumPy, Jupyter Notebook

## PROJECTS

### StockSageLlama | *Python, Flask, MongoDB, LLaMA, React Vite*

Jun 2025 – Present

- Developing a web-based stock portfolio tracker using Webull API for real-time P/L updates.
- Integrating Meta's LLaMA for personalized investment insights and stock forecasting.
- Creating a dynamic UI with React, Tailwind CSS, and Chart.js for visualization.

### NSA Events | *React Vite, Node.js, MySQL*

Nov 2024 – Dec 2024

- Built a full-stack event management system to streamline student organization logistics.
- Implemented OTP-based onboarding, JWT auth, RESTful APIs with validation and rate limiting.
- Handled Azure-based deployment and configuration via GitHub Actions.

### Eyewitness Testimony | *React.js, Next.js, Firebase*

Jan 2023 – Feb 2023

- Collaborated on a psychology research platform with timed video quiz functionality.
- Used Firebase for secure storage and admin authentication.
- Focused on UX design and reliable frontend logic to ensure data integrity.

## EXPERIENCE

### IT Technician (Intern)

Jan 2025 – Apr 2025

*West Carroll Parish School Board*

*Oak Grove, LA*

- Managed 800+ devices and 1000+ accounts using Google Workspace across 3 high schools.
- Maintained Cisco Meraki networks and access points for secure connectivity.
- Configured Securly filters, Office Admin settings, and Verkada security systems.
- Maintained and updated the school district's website with timely, user-friendly content.

### IT Support Specialist

Oct 2021 – Apr 2025

*University of Louisiana at Monroe*

*Monroe, LA*

- Led a 5+ member help desk team, resolving 900+ monthly tickets across multiple campuses.
- Automated system setups using FOG, and optimized installations through Active Directory.
- Directed a critical 72-hour recovery operation during the CrowdStrike outage.
- Created standardized technical documentation and trained new student workers.

### Full Stack Developer

May 2020 – Jul 2021

*Student Affairs Pvt. Ltd.*

*Lalitpur, Nepal*

- Maintained and enhanced client-facing websites for the consultancy using HTML, CSS, JavaScript, and PHP.
- Built new features for internal portals to streamline operations and student inquiry workflows.
- Managed digital presence, SEO, and online outreach for study-abroad promotions, increasing web traffic by 40%.
- Worked as Operations Manager, handling student intake, scheduling, and documentation processes.
- Served as a tutor for Java programming, SAT Math, and IELTS, helping over 50 students achieve improved test outcomes.