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 — Monroe, LA
Bachelor of Science in Computer Science (Honors) — *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.