VENKATA SYLESH KONA

Location: Albany, NY, USA   *Phone*: +1 (518) 977-9740 | *Email*: konavenkatasylesh@gmail.com
LinkedIn: linkedin.com/in/sylesh-kona-38a23421b | *GitHub*: github.com/sylesh29

SUMMARY

Aspiring Software Development Intern with hands-on experience in blockchain technology, smart contracts, and web development. Proficient in designing secure systems and scalable applications. Key achievements include developing an e-commerce platform during my Master's program and researching Blockchain 5.0, where I enhanced smart contract performance. Seeking a Summer 2025 internship to apply my skills in software engineering, distributed systems, and cloud infrastructure.

SKILLS

- Programming Languages: **Python**, **C++**, JavaScript, Solidity, Rust, Java, **C**
- Frameworks: ReactJS, Node.js, **Express.js**
- Tools & Technologies: Blockchain, Docker, Kubernetes, AWS, Git, **REST APIs**
- Development Methodologies: Agile, Scrum, **DevOps**, CI/CD
- Database: MySQL, **MongoDB**, PostgreSQL
- Web Technologies: HTML, CSS, **JavaScript**, Redux, Bootstrap
- Cloud Platforms: AWS, Azure, Docker, Kubernetes

EDUCATION

University at Albany, New York — *Master of Science, Computer Science*   *August 2024 - Present*

- Relevant Coursework: Distributed Systems, Software Engineering, Machine Learning, Blockchain Technology, Advanced Algorithms

Gayatri Vidya Parishad College of Engineering — *Bachelor of Technology (Honors), Computer Science*   *January 2020 - May 2024*

- Relevant Coursework: Data Structures and Algorithms, Operating Systems, Computer Networks, Database Management Systems, Object-Oriented Programming
- CGPA: 3.67/4.00

EXPERIENCE

Frux Software Solutions — *Software Development Intern*   *May 2023 - July 2023*

- Developed a pharmacy customer tracking system using **Node.js** and **React** to streamline data management and enhance customer service.
- Collaborated with the team to optimize customer data processing with **AWS**, improving workflow efficiency by 20%.
- Utilized Docker for containerization, ensuring the system's scalability and smooth deployment.

Gitam University — *Research Intern*   *June 2023 – Aug 2023*

- Conducted comprehensive research on **Blockchain 5.0**, focusing on N-dimensional smart contracts to enhance transaction security and efficiency.
- Successfully implemented scalable smart contracts, improving network throughput by 25% and security by 40%.
- Leveraged **Rust** and **Solidity** for smart contract deployment, achieving more secure and verifiable transactions.

PROJECTS

E-commerce Website Development — *Master's Program Project*   *August 2024 - Present*

- Developed an e-commerce platform using React, integrating features like shopping cart management, payment processing, and order tracking.
- Utilized AWS for deployment with **Docker** and **Kubernetes**, ensuring 99.9% uptime and seamless scalability.
- Optimized React components and implemented Redux for efficient state management, enhancing performance and user experience.

Automated Financial Communication System for MSMEs   *December 2023 - March 2024*

- Designed and developed a system that streamlined financial communication for MSMEs, reducing communication and payment processing time by 25%.
- Technologies used: Node.js, React, MySQL, Docker, AWS.

Blockchain-based Supply Chain Management System   *February 2023 - March 2023*

- Created a blockchain system to ensure legitimate seed distribution to farmers, reducing fraud by 40% and increasing traceability by 50%.
- Integrated a real-time monitoring system to track the entire supply chain process.