RAMA BHADRA SASTRY KOLLURI

📞 **+1 667-433-1296** | ✉ **rbsastryk@gmail.com** | 🔗 **LinkedIn** | 🖥 **GitHub**

PROFESSIONAL SUMMARY

Software Engineer with **2+ years of experience** in **full-stack development**, specializing in **React.js, AngularJS, Node.js, and MongoDB**. Expertise in **building scalable applications, improving performance, and implementing CI/CD pipelines**. Proven ability to **enhance system efficiency and collaborate with cross-functional teams** to deliver **high-quality software solutions**.

EDUCATION

University of Maryland, Baltimore County (UMBC) – *Baltimore, MD*
🎓 **Master of Science in Software Engineering** | *Expected May 2025*

Gayatri Vidya Parishad College of Engineering – *Visakhapatnam, India*
🎓 **Bachelor of Technology in Mechanical Engineering** | *May 2021*

TECHNICAL SKILLS

- **Programming Languages:** JavaScript (ES6+), TypeScript, Python
- **Front-End Development:** React.js, AngularJS, HTML5, CSS3, Bootstrap, jQuery
- **Back-End Development:** Node.js, Express.js, RESTful APIs
- **Databases:** MongoDB, MySQL
- **DevOps & Tools:** Git, GitHub, Jira, Docker, CI/CD Pipelines, Jenkins
- **Software Development Practices:** Agile (Scrum & Kanban), Test-Driven Development (TDD), Microservices, API Integration, Cross-Browser Compatibility

PROFESSIONAL EXPERIENCE

Grading Assistant

University of Maryland, Baltimore County (UMBC) – *Baltimore, MD | Sep 2023 – Present*

- **Evaluated** 50+ assignments and exams per semester, increasing student performance by **20%**.
- **Delivered** guest lectures on software engineering, receiving a **95% satisfaction rating**.
- **Refined** course curriculum, leading to a **15% improvement in effectiveness**.
- **Developed** an Agile workflow for **Electronic Arts**, improving team efficiency by **25%**.

Program Analyst

Cognizant Technology Solutions – *Hyderabad, India | Oct 2021 – Nov 2022*

- **Engineered** scalable web applications using **React.js and AngularJS**, reducing **user complaints by 20%**.
- **Optimized** system performance, decreasing **rendering delays by 30%** for a smoother user experience.
- **Refactored** modular, reusable code components, reducing development time by **20%**.
- **Implemented** CI/CD pipelines, improving **deployment efficiency by 25%**.
- **Conducted** unit testing and debugging, reducing **system defects by 30%** before production.

PROJECT EXPERIENCE

MERN Stack Web Application – Verizon

- **Constructed** a high-availability application using **MongoDB, Express.js, React.js, and Node.js**, supporting **1,000+ concurrent users**.
- **Devised** RESTful APIs, reducing **data retrieval time by 30%** and enhancing backend performance.
- **Redesigned** a responsive UI, increasing **user engagement by 15%**.
- **Executed** automated and manual testing, reducing system bugs by **25%** before deployment.

Remote Area Medical App – MEAN Stack

- **Architected** a healthcare platform using **AngularJS, Express.js, and MongoDB**, serving **10,000+ users**.
- **Optimized** response times, cutting **latency by 30%**, ensuring faster application performance.

Software Development Optimization – Electronic Arts

- **Formulated** an Agile-based workflow, Enhancing team productivity by 25%.
- **Integrated** CI/CD pipelines, decreasing deployment times by **20%**.
- **Presented** research findings on **software process optimization**, earning industry recognition.