Rohit Raghuram Murarishetti

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EDUCATION

Singapore University of Technology and Design (SUTD)   Singapore
Bachelor of Engineering in Computer Science and Design   *Sept. 2020 – May 2024*
- **Honours with Highest Distinction** with specialization in **Software Engineering and System Design**
- **GPA: 4.57/5.0**, **Honors List** (Top 10%, Freshman & Sophomore); Minor in Design, Technology, and Society; Exchange at **UMD College Park**

EXPERIENCE

Lead Software Engineer, Product   Mar. 2025 – Present
CloudsineAI   *Singapore*
- Spearheading development of an agentic AI governance platform that provides observability over system topology and visualizes threat attack graphs across agentic systems, agnostic of framework or platform
- Designed technical architectural proposals for enterprise clients, bridging product capabilities with customer requirements, directly supporting $150K+ in closed contracts
- Led DevOps initiatives for Weborion SaaS platform, achieving 99.95% uptime through CI/CD pipelines and infrastructure-as-code practices
- Optimized AWS cloud infrastructure, delivering $60K+ annual cost savings (25% reduction) while maintaining high-performance standards for production workloads
- Architected GenAI-powered security firewall for IoT/RTSP protocols using Go and ModSecurity; built agentic AI vulnerability triage system that automates threat assessment workflows

Software Engineer (Full Stack)   Aug. 2024 – Feb. 2025
iTrust - Center for Research in Cyber Security, SUTD   *Singapore*
- Collaborated with cross-functional research teams to develop Operational Technology data visualization platform using React, Next.js, and ZeroMQ, enhancing real-time threat detection for critical infrastructure
- Co-authored research paper on real-time detection of data manipulation attacks in industrial control systems, published in the International Journal of Critical Infrastructure Protection
- Delivered software solutions for CISS 2024 and Lockedshields CCDCOE (world's largest live-fire cyber exercise, 41 nations), supporting critical infrastructure defense

Software Engineering Intern (Product and Full Stack)   June 2023 – Sept. 2023
Broadridge Financial Solutions (NYSE: BR)   *Hyderabad, India*
- Built a crypto asset disclosure platform using Next.js for Global Innovation Team, designing the data model and API layer to streamline regulatory reporting for clients with crypto holdings
- Coordinated technical logistics for a global hackathon with 2000+ participants, managing submission platforms and API support for 1200+ teams

Software Engineering Intern (Full Stack)   Aug. 2022 – Dec. 2022
NCS Group   *Singapore*
- Developed enterprise-grade employee management application for DSTA using Angular, TypeScript, Java, Spring Boot, and MySQL; awarded Intern Ambassador of the Month (November 2022)

KEY PROJECTS & LEADERSHIP

Elgo - Energy Savings as a Service Platform | *Final Year Capstone Project, SUTD*   Sept. 2023 – Apr. 2024
- Led development of scalable IoT platform using Next.js, AWS (EC2, S3, Lambda, SageMaker), and MQTT, delivering AI-driven energy-saving recommendations that achieved ~20% reduction in energy bills ($400/month savings) for SME pilot clients

Distributed DNS on Chord Protocol | *Distributed Systems and Computing*   Sept. 2023 – Dec. 2023
- Architected resilient distributed DNS system using Go, addressing critical infrastructure vulnerabilities and optimizing lookup performance for enhanced reliability

TECHNICAL SKILLS & CERTIFICATIONS

Certifications: AWS Certified Developer Associate
Programming Languages: Java, Python, Go, TypeScript, SQL, HTML/CSS
Technologies & Frameworks: AWS (S3, EC2, Lambda, SageMaker), React, Next.js, Angular, Spring Boot, Docker, Git