

Rohit Jayakrishnan

Irvine, California 92617 • jayakrr1@uci.edu • +1(415)374-0070 • www.linkedin.com/in/rohitjk

EDUCATION

University of California, Irvine *Irvine CA*

Expected Dec 2025

Master of Computer Science

GPA: 4.0 Coursework: Operating Systems, Advanced Programming, DBMS, AI, Machine Learning.

NMAM Institute of Technology *Karnataka, India*

Aug 2017 - Aug 2021

Bachelor of Engineering (B.E), Computer Science and Engineering

GPA: 3.78/4 *First Class with Distinction*

Coursework: Data Structures, Algorithm Design, Cloud Computing, Computer Networks, Computer Architecture.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Node.js, HTML, CSS, C.

Tools/Frameworks/Software: Linux, AWS, VMware vSphere, Terraform, Ansible, Git, JIRA, PostgreSQL, Docker, Kubernetes, Apache Cassandra, Postman, SaltStack, Infrastructure as Code (IaC), MCP, Grafana, Qdrant.

Certifications: VMware Certified Advanced Professional - Cloud Management and Automation (2023), VMware Certified Professional - Data Center Virtualization (2021)

EXPERIENCE

WebAI, Inc. *Austin, Texas*

June 2025 - Present

Machine Learning Engineer

- Converted and deployed foundation models (e.g., LLaMA, Mistral) to GGUF format for quantized inference, enabling faster execution on Apple Silicon hardware. Developed a Knowledge Graph-based RAG system by integrating structured graph data with LLMs for context-aware semantic retrieval.

VMware (Broadcom) *Bangalore, India*

Sep 2021 – July 2024

Technical Support Engineer - Cloud Management and Automation

- Delivered technical support for enterprise-grade on-premises and hybrid cloud IT applications, with expertise in Kubernetes cluster management, Linux systems administration, and network troubleshooting.
- Reduced Mean Time to Resolution (MTTR) by 30% for complex incidents, ensuring high uptime for mission-critical IT systems by implementing streamlined troubleshooting workflows.
- Extensive experience troubleshooting Infrastructure as Code (IaC) technologies, such as Aria Automation and Terraform, to automate the provisioning and management of infrastructure on private and public cloud platforms like vSphere, AWS, and Azure.
- Gained extensive experience in hands-on troubleshooting within Software-Defined Data Center (SDDC) environments. Proficient in swiftly diagnosing and resolving intricate issues across virtualized infrastructures, including compute, storage, networking, and virtualization layers.
- Demonstrated expertise in troubleshooting RESTful APIs within enterprise products, utilizing tools like Postman and cURL for API testing and debugging.
- Developed and implemented bash scripts for log parsing and system diagnostics, decreasing ticket closure times.

VMware (Broadcom) *Bangalore, India*

Jan 2021 – Sep 2021

Intern

- Engineered a full-stack workload tracking app for the GS division using Node.js, HTML/CSS, and PostgreSQL, boosting ticket closure rates by 30%.

PROJECTS

Refracto - A Code Development and Refactoring Assistant (*Partnership with SAP, Newport Beach*)

May 2025

- Developed a MERN stack interface for Code development, where users create natural language tickets that drive intelligent code generation and refactoring for SAP Cloud Application Programming (CAP) projects.
- Integrated a Qdrant-based vector database with the Model Context Protocol (MCP) Server to enable AI agents like Goose to perform semantic search and retrieve high-relevance context from CAP codebases for accurate and context-aware code generation.