

# RAHUL SIVAKUMAR

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## PROFESSIONAL EXPERIENCE

<b>Data and AI Engineer</b> Bausch + Lomb	Jun 2024 - Present St. Louis, MO
<ul style="list-style-type: none"><li>Developed machine learning models to predict maintenance needs, reducing downtime by 20%.</li><li>Designed data pipelines for real-time monitoring, optimizing operational workflows.</li><li>Architected HIPAA-compliant data strategy on Azure, enhancing data security across environments.</li><li>Migrated IBM Cloud infrastructure to Azure, cutting annual costs by 15%.</li><li>Implemented a framework to improve data processing times by 30%.</li></ul>	
<b>Project Lead &amp; Graduate Assistant</b> SLU Student Development	Jan 2023 - May 2024 St. Louis, MO
<ul style="list-style-type: none"><li>Automated financial operations in Python, decreasing manual efforts by 30% and increasing accuracy by 25%.</li><li>Used JIRA and Zephyr to streamline project workflows and enhance cross-team communication.</li><li>Developed reporting tools for budget forecasting, improving resource allocation.</li></ul>	
<b>Cybersecurity Project Lead</b> SLU IT Services	Oct 2022 - Dec 2022 St. Louis, MO
<ul style="list-style-type: none"><li>Designed a cybersecurity framework, reducing vulnerabilities by 15% and boosting threat detection by 25%.</li><li>Built CI/CD pipelines with Jenkins and GitLab CI, reducing deployment time by 30%.</li><li>Improved security monitoring by integrating AWS GuardDuty for real-time alerts.</li></ul>	
<b>AWS Connect Engineer</b> SLU IT Services	Aug 2022 - Dec 2022 St. Louis, MO
<ul style="list-style-type: none"><li>Developed SOPs for AWS Connect, enhancing reliability and reducing resolution times by 20%.</li><li>Managed VMware and VirtualBox environments for testing, reducing hardware dependency.</li></ul>	
<b>Cloud Engineer</b> ACS Corp	Jan 2019 - Jul 2022 Chennai, India
<ul style="list-style-type: none"><li>Spearheaded Azure migration, increasing reliability by 40% and lowering operational costs.</li><li>Built AWS-based data pipelines, delivering real-time insights and supporting data-driven decisions.</li><li>Implemented CI/CD processes with Jenkins and Docker, reducing release time by 40%.</li></ul>	

## EDUCATION

<b>M.S., Computer Science</b> , Saint Louis University GPA: 3.7/4.0	Aug 2022 - May 2024
<b>B.Tech, Computer Science</b> , SRM University, India GPA: 3.5/4.0	Aug 2015 - May 2019

## SELECTED PROJECTS

<b>Medicare Communication Tool</b>
<ul style="list-style-type: none"><li>Designed HIPAA-compliant platform with React.js, Node.js, and Docker, enhancing CI/CD workflows.</li></ul>
<b>Multi-Factor Authentication (MFA) System</b>
<ul style="list-style-type: none"><li>Developed MFA with Java and MySQL, reducing unauthorized access by 40%.</li></ul>

## CERTIFICATIONS

AWS Certified Cloud Practitioner, Python Data Science, Machine Learning Foundations, Cloud Computing
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## TECHNICAL SKILLS

<ul style="list-style-type: none"><li><b>Languages:</b> Python, Bash, Perl, JavaScript, C, C++</li><li><b>Cloud Platforms:</b> AWS, Azure, GCP</li><li><b>DevOps Tools:</b> Jenkins, GitLab CI, GitHub Actions, Terraform, Docker, Kubernetes</li><li><b>Virtualization:</b> VMware, VirtualBox, GNS3, Packet Tracer</li><li><b>Security &amp; Networking:</b> IAM, Network Security, AWS GuardDuty</li></ul>
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