SRUJANA MUNINARAYANAPPA RAMESH

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EDUCATION

University of Illinois, Springfield, IL — GPA: 3.9 / 4.0 | May 2025
Master of Science in Computer Science

Don Bosco Institute of Technology, Bengaluru, India — GPA: 3.8/ 4.0 | Jun 2023
Bachelor of Technology in Computer Science

EXPERIENCE

Cloud DevOps Intern — Feb 2024 – Present
Office of Medicaid Innovation, University of Illinois System — *Springfield, IL*

- Streamlined workflows by integrating Azure OpenAI, Power Automate, and SharePoint, reducing documentation inefficiencies and cutting manual effort by 85%
- Migrated legacy systems to Azure cloud, resolving scalability and compliance challenges, achieving 100% HIPAA compliance, and improving system uptime from 95% to 98%
- Collaborated with cross-functional teams to optimize Azure cloud architecture, enhancing system scalability and reducing security vulnerabilities by 30%
- Integrated Azure Key Vault and Managed Identity to strengthen data security, reducing credential-related risks by 40%

IT Head of the State – Karnataka - India — Oct 2022- Feb 2023
Youth India Foundation — *Bangalore, India*

- Designed and implemented a cloud-based repository using Azure Blob Storage and Azure SQL Database to address data retrieval delays, reducing access time from 2 days to 4 hours
- Enhanced organizational collaboration by implementing Microsoft Teams and Google Workspace, addressing communication challenges and improving outreach metrics by 30%
- Simplified repetitive workflows using Azure Logic Apps and Power Automate, decreasing task completion time by 40%
- Formulated and applied virtual machines on Azure, reducing IT infrastructure costs by 25% while ensuring secure application access

Software Developer Intern — May 2021- Sept 2021
Verzeo — Bangalore, India

- Optimized a full-stack web application using React.js and Node.js to address slow page load times, improving performance by 20% and enhancing user engagement
- Devised and configured SQL databases with optimized query structures to resolve responsiveness issues, reducing query execution time by 30%
- Developed a feature-rich task management system in an Agile environment to address user productivity gaps, increasing efficiency by 25%
- Refactored outdated legacy code to align with modern standards, reducing technical debt by 40% and improving system maintainability

PROJECTS

Emergency Room (ER) Wait Time Prediction Using Machine Learning and Azure DevOps — Oct 2024

- Engineered and applied an ER wait time prediction model using Azure Machine Learning, leveraging historical data and real-time inputs to optimize hospital resource management, resulting in a projected 15% reduction in patient wait times
- Integrated an end-to-end programmed pipeline using Azure DevOps (Pipelines, Repos, and Monitor) for continuous integration and deployment of machine learning models, ensuring real-time prediction updates and system reliability

CI/CD Pipeline for Voting Application — May 2024

- Built a streamlined CI pipeline leveraging Azure DevOps tools which resulted in cutting deployment preparation time from two hours to just thirty minutes, thereby expediting development processes without sacrificing quality assurance standards
- Deployed a microservices based architecture on Azure Kubernetes Service (AKS) using Argo CD for GitOps-based continuous delivery, reducing deployment times from 2 hours to 35 minutes and achieving 40% improvement in deployment efficiency

ACHIEVEMENTS AND AWARDS

- **Silver Medalist** in Bachelor of Engineering in Computer Science, awarded for academic excellence, ranking among the top 8% of graduates at Don Bosco Institute of Technology
- Moderated the **Low Code No Code Microsoft Power Platform Conference**, raising $5,000 for UNICEF USA's Every Child Fund, showcasing leadership and community engagement
- Recipient of the **Julie and William Kellner Working Student Scholarship ($1,500),** recognizing academic and professional excellence
- Secured an esteemed **Graduate Public Service Internship (GPSI)** after competing against over 1200 candidates; earned a significant 60% tuition waiver as recognition of outstanding performance and potential

SKILLS

- **Programming:** Java, Python, PowerShell, Bash, SQL, C, C++, JavaScript
- **Automation:** Power Automate, n8n, Azure Logic Apps, Azure Functions
- **Tools:** Microsoft Power BI, Snowflake, Azure DevOps, Azure Kubernetes Service (AKS), Docker, git (GitLab, GitHub), Terraform
- **Certification:** Microsoft Certified: Azure Fundamentals **Badge** | Microsoft Certified: Azure Administrator Associate **Badge** | HashiCorp Certified: Terraform Associate **Badge** | Certified Specialist Business Intelligence (CSBI) **Badge**