

VENKATA RAMANA PAMARTHY

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Education

University of Florida (GPA: 4.0/4.0)

Aug 2022 - Dec 2023(Expected)

Master of Science in Computer Science

Gainesville, FL

Courses: Analysis of Algorithms, Math for Intelligent Systems, Distributed Operating System Principles

Sreenidhi Institute of Science and Technology (GPA:9.61/10)

Aug 2016 - May 2020

Bachelor of Technology in Information Technology

Hyderabad, India

Courses: Data Structures and Algorithms, DBMS, Big Data Analytics, Discrete Math, Programming Languages

Technical Skills

Programming skills: Python, Java, C# .Net Web API, C, C++, R, Data structures, SQL, HTML, CSS, XML, Javascript.

Data and Statistics : PowerBI, Data modeling, Data Warehousing, MS Excel, Azure Dashboards, Azure Monitor, QA Testing.

Cloud technologies : AWS, Azure DevOps, DevSecOps, Terraform, Docker, Kubernetes, Azure SQL, CI/CD, YAML and Classic Pipelines, DNS Zones, Application Gateway, API Management, Azure Monitor, Azure Application Insights, Sonarqube, Snyk, OWASP ZAP.

Natural Language Processing: NLTK, Text Analysis, Sentiment Analysis, Readability Index.

Certifications

Microsoft Certified: Azure Fundamentals

Feb 2022

Google Cloud Platform Fundamentals: Core Infrastructure

May 2020

Work Experience

ADP

Jun 2023 - Aug 2023

GPT Full-Stack Application Development Intern

Alpharetta, GA

- Leveraged Backend Adapters to communicate to AWS cloud and Frontend components for the ADP Marketplace application.
- Improved security of the application by 15% by introducing AWS Secrets Manager to manage secrets in code.
- Amplified the performance and strengthened the application code by leveraging reusable components.

University of Florida

Aug 2022 - May 2023

Graduate Research Assistant

Gainesville, FL

- Working with University of Florida Research Team on the ongoing research on Topic Modeling and Stance Detection using NLP.
- Designed and developed an application to detect topics and stances from important data that is extracted from various cross-platform sources on the internet.

ValueLabs LLP

Jun 2020 - Jul 2022

Senior Software Engineer(DevOps)

Hyderabad, India

- Leveraged and maintained cost-effective and highly secure Cloud Infrastructure in Microsoft Azure using ARM templates, Terraform and other improving performance by 30%.
- Created YAML and Classic Pipelines in Azure DevOps for CI/CD and steered highly secure and high performance Docker Images for Microservice deployments on Kubernetes.
- Pioneered with integrating Snyk and SonarQube into the CI/CD workflow of our product to improve the security and quality of code by 15% and 10% respectively.
- Streamlined an automated Release workflow into Production decreasing release time by 7 hrs.
- Amplified the performance of our application through Continuous Monitoring and Alerting using Azure Monitor and Azure Advisor.
- Analyzed and created dashboards and reports to track events and summarize performance, through data coming from Azure Application Insights and Azure Log Analytics using Power BI and Azure Dashboards.
- Strengthened the Backend by building Web API Microservices using C# .Net.

ValueLabs LLP

Dec 2019 - Mar 2020

DevOps Intern

Hyderabad, India

- Developed C# .Net Microservices and CI/CD Pipelines in Azure.

Projects

NLP based English Learning Application.

- * Developed an application catered towards the needs of English Language learners to improve their language skills by providing Proficiency, Readability Index, Text Analysis and Sentiment Analysis scores based on the user inputs.

Java Swing Based Library Management System and Android Application for Student Attendance.

- * Built two applications for real-time everyday use in schools for Library Management (using Java Swing) and Student Attendance Management (using Android)