

# RAMYA GORANTLA

Software Engineer | Cloud & Data Specialist | QA & Product Design | Networking

(856) 526-0268 | ramyagorantla2001@gmail.com

[ramyagorantla.me](http://ramyagorantla.me) | <https://www.linkedin.com/in/ramya-gorantla-396429210/> | [github.com/ramyagorantla-dev](https://github.com/ramyagorantla-dev)

## PROFESSIONAL SUMMARY

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Master's student in Computer Science with 2.4 years of professional experience at Accenture building enterprise-grade integration systems, cloud pipelines, and AI-driven workflows. Hands-on experience in full-stack development, QA engineering, UX/product design, and enterprise network architecture. Triple-certified in AWS, Azure, and SAP. Seeking Software Engineering, Data Science/ML, IT Systems, and networking/infrastructure roles across all industries.

## TECHNICAL SKILLS

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- **Programming Languages:** Python, C, SQL, Groovy, JavaScript, PHP, XML, JSON
- **Cloud & Infrastructure:** AWS (Solutions Architect Associate), Microsoft Azure (AZ-900), SAP BTP, Docker, Linux, Git/GitHub
- **Networking:** VLANs, Subnetting & IP Addressing, DHCP, DNS, Wireless Networking, Cisco Packet Tracer
- **AI / ML & Data:** Artificial Intelligence, Apache Kafka, Flask, Pandas, NumPy, Data Modeling
- **Frontend & Design:** HTML, CSS, JavaScript, Responsive UI, UX Design, GitHub Pages, B2B Product Design
- **Databases:** MySQL, Relational DB Design, Stored Procedures, Triggers, Transactional Logic, ETL
- **Integration & APIs:** SAP CPI, REST & SOAP APIs, HTTP/SFTP/IDoc/OData Adapters, Message Mapping, iFlows
- **QA & Practices:** QA Auditing, Bug Documentation, UAT, Agile/Scrum, Production Support, Root Cause Analysis

## PROFESSIONAL EXPERIENCE

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### SAP CPI Integration Developer Analyst | Accenture

Aug 2022 - Dec 2024 | India

- Designed and deployed 20+ enterprise integration flows connecting SAP ERP with third-party systems, managing the full product lifecycle from requirement gathering through production deployment.
- Engineered Groovy scripts for dynamic message routing, payload transformation, and automated exception handling - reducing manual incident intervention and improving system uptime.
- Built robust XML/JSON data transformation pipelines using REST, SOAP, HTTP, SFTP, IDoc, and OData adapters, enabling reliable high-availability data exchange across distributed enterprise systems.
- Monitored live integration performance, identified failure patterns via data analysis, and executed root-cause resolution to consistently meet SLA commitments.
- Partnered with cross-functional stakeholders - business analysts, architects, and QA - to translate complex business requirements into scalable technical solutions end-to-end.
- Delivered zero-defect production releases through rigorous unit testing and UAT in Agile sprint cycles; maintained version-controlled documentation enabling team-wide knowledge transfer.

## PROJECTS

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### Julius Silvert B2B Platform - QA Audit & Full Redesign | HTML · CSS · JavaScript · GitHub Pages

Live: [ramyagorantla-dev.github.io/julius-silvert-redesign](http://ramyagorantla-dev.github.io/julius-silvert-redesign)

- Conducted a 42-bug QA audit of a live B2B e-commerce platform, systematically documenting data integrity errors, UX failures, miscategorized products, inconsistent pricing formats, and broken cart/checkout flows across the entire product catalog.
- Architected and deployed a full chef-centric redesign on GitHub Pages featuring a live inventory dashboard, AI-powered Chef Assistant chatbot, cuisine-based smart order builder, Save for Later workflow, and Kitchen Lists - resolving all critical UX issues identified in the audit.

### AI-Driven Order Processing System | Python · Flask · SAP CPI · Apache Kafka · Docker

- Architected a full end-to-end intelligent order pipeline: Postman → SAP CPI → Flask ML microservice → Apache Kafka → Consumer, simulating real-world enterprise workflow automation at scale.
- Built a Python/Flask ML classification microservice categorizing orders as Urgent, Normal, or Risk; integrated via SAP CPI HTTP adapter with Groovy-based routing; containerized with Docker for fault-tolerant, scalable delivery.

## **Enterprise Campus Network Design** | Cisco Packet Tracer · VLANs · DHCP · DNS · Subnetting

- Designed and simulated a fully functional enterprise campus network topology in Cisco Packet Tracer, implementing hierarchical network architecture across multiple departments and building segments.
- Configured VLANs and inter-VLAN trunking to segment network traffic by department, improving security and reducing broadcast domains; applied structured subnetting and IP addressing to optimize address space allocation.
- Deployed DHCP and DNS servers for automated IP management and hostname resolution; integrated wireless access points with the wired LAN for seamless campus-wide connectivity.

## **Restaurant Database Management System** | MySQL · PHP

- Designed a full-stack relational database managing customers, orders, inventory, and payments with stored procedures, triggers, and transactional constraints for end-to-end data integrity.
- Built PHP-based CRUD operations providing complete front-to-back application functionality across the system stack.

## **EDUCATION**

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**Master of Science - Computer Science** | Rowan University, Glassboro, NJ

GPA: 3.9 / 4.0

**B. Tech - Electronics & Communication Engineering** | Vignan University, India

## **CERTIFICATIONS**

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| • <b>AWS Certified Solutions Architect – Associate</b>   | Amazon Web Services - 2025 |
| • <b>Microsoft Azure Fundamentals (AZ-900)</b>           | Microsoft - 2025           |
| • <b>SAP Certified Associate – Integration Developer</b> | SAP - 2024                 |

## **PUBLICATION**

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**IEEE MAPCON 2024** - "A CPW-Fed Tri-Band Parasitic Patch Antenna for 5G, WLAN and Satellite Applications"