

Ragamalika Karumuri

Boston, MA 02215 | 617-820-4775 | karumuri.r@northeastern.edu | [LinkedIn](#) | [GitHub](#)

EDUCATION

Northeastern University, Boston, MA

Expected May 2025

Master of Science in Information Systems

Courses: Application Development, Data Structures and Algorithms, Databases, Data Science, Web Tools and Development, Business Analysis

Amrita Vishwa Vidyapeetham, Tamil Nadu, India

May 2019

Bachelor of Technology in Electrical and Electronics Engineering

TECHNICAL SKILLS

Languages: Python, Java, C++, Shell Scripting, JavaScript

Frameworks: Spring, PySpark, Angular, React, Node.js, Kubernetes, Docker, Terraform

Databases: MySQL, PostgreSQL, Oracle, MongoDB, Elasticsearch, Snowflake

Cloud Services: AWS (S3, Glue, EC2, QuickSight, Sagemaker, Lambda)

Data Science: TensorFlow, PyTorch, Scikit-learn, Pandas, Numpy, Matplotlib, Seaborn, Plotly

Tools: Jupyter, Visual Studio, QlikView, Jenkins, Kafka, Grafana, Git, Jira, Figma, Tableau, Excel, Confluence

Certifications: Google Data Analytics, AWS Cloud Practitioner, Generative AI by Microsoft

PROFESSIONAL EXPERIENCE

OneData Software Solutions, New York, NY

Sep 2024 – Present

AWS Cloud Intern

- Developed and implemented scalable cloud infrastructures using AWS EC2, Lambda, and API Gateway, integrating **QuickSight** for real-time data visualization and optimizing system performance
- Designed and optimized **ETL** pipelines using AWS Glue, S3, and Redshift, incorporating automation for data ingestion and transformation processes, resulting in a 10% reduction in data processing latency
- Migrated on-premises databases to Amazon RDS using AWS Database Migration Service (DMS), ensuring seamless data transfer and minimizing downtime while upholding data integrity and governance

Infosys Limited, Hyderabad, India

Jan 2020 - May 2022

Senior Software Engineer

- Developed end-to-end **Python** based POS application using Agile Scrum methodologies, enhancing user experience, and achieving a 10% reduction in transaction processing time
- Created web-based applications using HTML, CSS, JavaScript applying responsive design principles and incorporating user-friendly interfaces and functionalities
- Transformed large and unstructured web datasets into structured models, achieving a 15% improvement in processing efficiency through adept data engineering and automation
- Led Docker deployments, orchestrated Kubernetes integration for scaling, and drove innovation with Jenkins **CI/CD** for smooth releases and data integrity
- Worked collaboratively with cross-functional teams including product managers, designers, and QA engineers to deliver high-quality software solutions that meet customer requirements and business objectives

ACADEMIC PROJECTS, Northeastern University

Event Management Booking System

Jan 2024 – Apr 2024

- Designed and developed a Java-based Resort Management System using Java Swing and DB4O, featuring modular roles, dynamic mapping, and analytical reporting

Chronic Kidney Disease Prediction | [GitHub](#)

May 2023 – Aug 2023

- Created a scikit-learn-powered Python ML model for chronic kidney disease prediction with a 98% accuracy rate, utilizing SVM, KNN, Voting Classifier, and Random Forest to build an integrated ensemble model, and conducted thorough evaluation with detailed visualizations and analysis

Travel Website with AI Chatbot | [GitHub](#)

Jan 2023 – Apr 2023

- Guided the development of a Travel Management System using React, Node.js, Express.js, and MongoDB, following the MVC pattern for efficient server setup, API management, and database interaction, and deployed an AI Responsive Chatbot to augment user support and engagement