

RISHIKA GURRAM

gurram.ri@northeastern.edu • 857.313.5483 • [Portfolio](#) • [LinkedIn](#) • [GitHub](#) • Boston, MA

EDUCATION

Northeastern University, Boston, MA

Expected May 2024

Master of Science in Information Systems (Computer and Software Engineering), **CGPA: 3.7**

Relevant Coursework: Network Structures and Cloud Computing, Web Design and User Experience Engineering, Application Engineering and Development, Data Science Engineering Methods and Tools

Jawaharlal Nehru Technological University, Hyderabad, India

May 2020

Bachelor of Technology in Electronics and Communications Engineering, **CGPA: 3.8**

SKILLS

Languages: Python, Java, JavaScript, Unix Shell Scripting, Terraform, MATLAB

Cloud Technologies: AWS (EC2, RDS, S3, CloudWatch, Route53, IAM), GitHub Actions, GCP, Azure

Web Technologies: HTML/CSS, React JS, Node JS, Express

Databases: Oracle, PostgreSQL, MySQL, MongoDB

Tools/IDE: Postman, Git, Jupyter, Docker, Packer, Oracle Hyperion, JSON, RESTful APIs, SmartView

WORK EXPERIENCE

Associate Software Engineer

Dec 2020 - Aug 2022

Accenture, India

- Managed German based leading client, by successfully provisioning access rights as an administrator on Oracle Hyperion workspace, resulting in a 45% improvement in system implementation
- Collaborated with a team to design and develop Hyperion Managed Services, improving proficiency by 30% through effective administration, planning and forecasting data
- Streamlined Dev, UAT and Prod environment consoles during business phases to complete tasks including migration, patching and hierarchy changes, yielding up to 60% reduced downtime and errors

ACADEMIC PROJECTS

Restful Services on Cloud (Python FastAPI, PostgreSQL, AWS)

Apr 2023

- Architected a three-tier RESTful API infrastructure on AWS optimizing infrastructure provisioning using Terraform templates for automation of EC2/RDS instances, VPC, Subnets, and Security Groups
- Engineered a CI/CD pipeline using GitHub Actions, Packer AMI builder, and CodeDeploy, reducing deployment time from several hours to 20 minutes
- Utilized CloudWatch to monitor EC2 and CPU RAM to create triggers for scale-in and scale-out rules for the Application Load Balancer, guaranteeing it could control up to 10,000 requests concurrently

Northeastern University Events Application (MERN Stack)

Apr 2023

- Spearheaded development of a comprehensive website for Northeastern University, resulting in a 60% reduction in user assistance for event registration and tracking
- Integrated various open-source APIs to enhance functionality and delivered an exceptional user interface through captivating user stories

Plasma Management System (Java, Oracle SQL)

Dec 2022

- Devised a healthcare-related Java Swing application with programmed functionalities for creating and updating plasma stock, and monitoring plasma requests and availability over time
- Designed a user-friendly interface with distinct screens for login/registration, work areas, home, and search, improving usability and enhancing user experience

Twitter Sentiment Analysis (Machine Learning, NLP, Data Analysis)

Dec 2022

- Implemented and trained machine learning models for tweet sentiment prediction. Achieved 83% accuracy using Logistic Regression after rigorous evaluation and comparison of models
- Executed NLP stop-word list technique to preprocess and clean large datasets to generate word clouds for visual analysis