Sneha Yenduri
snehayenduri@gmail.com | 857-206-9037 | Boston, MA | LinkedIn | Portfolio

EDUCATION

Master of Science in Information Systems, GPA: 3.75/4.0   **May 2025**
Northeastern University, Boston, MA
Courses: Program Structures and Algorithms, Data Management and Database Design, Network Structures and Cloud Computing, Web Design and User Experience, Advanced Big-Data Applications and Indexing Techniques, Software Quality Control and Management

WORK EXPERIENCE

Graduating Teaching Assistant (Cloud Computing), Northeastern University   **Sep 2024**
- Mentored students in mastering cloud computing (**AWS**) by conducting tutorials, code reviews, with an emphasis on Linux-based applications and integration with **DevOps** workflows using **Shell Scripts** and **Terraform** (**IAC**).

Senior Software Engineer, Citibank (Fintech)   **Aug 2021 – Aug 2023**
- Designed innovative approaches to solve business problems using **Java, Spring Boot, SQL, Microservices, and REST APIs**
- Analyzed appropriate designs, coded in a test driven development and performed **end-to-end testing** in an **agile** cross functional team using **scrum** methodologies
- Enhanced the quality of existing code by **17%**, through Junit testing, performing code reviews, and reducing code complexity
- Mitigated the processing time by 35% through **CI/CD** using **Jenkins** and **OpenShift** and maintained Autosys jobs with **shell scripting**
- Handled **emergency bugs** while providing support during production deployments resulting in **4%** reduced downtime
- Leveraged future maintenance by documenting changes on **Confluence**, using **Bitbucket** for version control, and **Jira** for tracking

Software Testing Intern, Login2Xplore   **Sep 2020 – Feb 2021**
- Gained experience in testing the functionalities of the existing code using **Junit**
- Grasped the requirements and continuously learned new technologies (**JSON Powered Data Base, JavaScript, HTML, Bootstrap)** in this fast-paced environment by being self-motivated all the time
- Collaborated with development team for improved efficiency by **9%** by covering all edge cases

TECHNICAL SKILLS

Programming Languages: Java (object oriented programming), C, C++, Python, Shell Scripting, JavaScript, TypeScript, HTML, CSS
Frameworks: Spring, Maven, Hibernate, Microservices, Git, RESTful API, Node.js, React, Junit, Agile Methodologies
Databases: SQL (Oracle, SQL Server, MySQL, Postgres), NoSQL (MongoDB)
Operating Systems: Linux, Unix, Windows, MacOS
DevOps: Continuous Integration/Continuous Deployment, Terraform, Packer, Networking Protocols
Tools: Google Cloud Platform, AWS (EC2, S3, IAM, RDS), GitHub, Jenkins, OpenShift, Docker, Tomcat, Postman, SonarQube, Jira
Certification: An Oracle Certified Professional (Java SE 11 Developer)

ACADEMIC PROJECTS

Nexus AI Chatbot Application [GitHub: MERN AIChatBot]   **Jun 2024 – Jul 2024**
- Developed a web application where users can chat with computer, leveraging capabilities of Artificial Intelligence to stimulate human like interaction and collaboration. Coded backend using Node.js, frontend using React and integrated with OpenAI API
- **Technologies Used: NodeJS, Express, ReactJS, MongoDB, OpenAI API, JWT, Rest API**

Cloud-Native Web Application Deployment and Automation [GitHub: Cloud Web Application]   **Feb 2024 – Apr 2024**
- Built a robust backend system for user operations using Node.js, SQL Server and Sequelize ORM
- Deployed it into **GCP** with use of **Terraform** for Infrastructure Management and automated using GitHub Actions, **CI/CD** pipelines
- Created Virtual Machine's using **packer** image and designed **serverless functions**, triggered by **Cloud Pub/Sub**
- Configured **load balancers** and **auto-scaling** to manage varying traffic loads effectively with minimal cost
- Implemented security using SSL certificates, IAM roles and policies, firewalls, and used customer-managed encryption keys.
- Integrated **Cloud SQL**, Google Cloud's operations suite with the application
- **Technologies Used: GCP, Terraform, Packer, GitHub Actions, SSL/TLS, SMTP, Pub/Sub, Serverless Functions, Storage, DNS**

Project Prism [GitHub: Project Prism]   **Mar 2024 – Apr 2024**
- Fabricated a comprehensive project management tool, comprising of roles Manager, Developer, Tester with a centralized dashboard. Streamlined project tracking from backlog to completion with an organized Kanban board imbibing user authentication.
- **Technologies Used: Java, Angular, Oracle SQL, Spring Boot, Hibernate, Rest API**