

YAMINI CHANDU N

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EDUCATION

Missouri University of Science and Technology, Rolla, MO

August 2022 - May 2024

Master of Science in Computer Science

SRKR Engineering College, Bhimavaram, AP

July 2017 - July 2021

Bachelor of Technology in Computer Science and Engineering

SKILLS

Core Java, Python, REST, Kafka, OOP, Data structures & Algorithms, Docker, Git, Software Development

AWS: Lambda, ECS, EC2, ECR, CloudWatch

DB: SQL, MongoDB

Frameworks: SpringBoot, MVC, AOP, JDBC, Spring WEB, Angular, Microservices, Spring Security, LDAP, Hibernate, Maven, JSON, REST API, Postman

Web Technologies: HTML, CSS, TypeScript, JavaScript

Other: Micro Services, Product Engineering, Design Patterns, Azure Data Factory, Service Now, Generative AI

PROFESSIONAL EXPERIENCE

Impart LLC, VA | Software Engineer

January 2024 – PRESENT

- Integrated OMERO APIs by customizing and deploying the web client using React and Django.
- Built a Nextflow pipeline for image processing, boosting data processing efficiency by 40%.
- Teamed with ML Ops to deploy models in Amazon SageMaker, achieved 25% reduction in user error rates through dynamic URL handling.

Missouri S&T, MO | Graduate Teaching Assistant

August 2023 – December 2023

- Provided hands-on assistance to **60 students** working in JAVA programming.
- Assisted in debugging over 50 programming assignments leading to a **95% pass rate**.
- Coordinated lab activities with the course instructor and other 10 assistants.

Cognizant, Chennai | Java Full Stack Developer

July 2021 – August 2022

- Application performance metrics, health, and runtime are managed and monitored using **Spring Actuator**.
- **Completed 50+ hands-on examples on Spring Boot (IOC, AOP, MVC, Security, REST, Batch, and Data).**
- Created **Hibernate** mapping files, sessions, transactions, Query, and Criteria to fetch the data from **DB**.
- Learned real-world product management and features development in monolithic architecture using Java, and Spring Boot and got exposure to Docker, and GitHub.
- Deployed and managed applications on **AWS ECS, AWS EB, and Kubernetes (K8s)**, leading to **99.9% uptime**.
- **Led and facilitated daily Scrum meetings, sprint planning, and retrospective sessions** to ensure continuous delivery and process improvements.

PROJECTS

Serendipity

- Developed a **deep learning** model using LSTM and MLP with Keras on **2M records of data**.
- The neural network model is used by a person to obtain information about a drug's benefits and drawbacks. A pharmacist can also utilize the model to suggest a drug that reduces 70% effort.

Google Covid Raw Data.

- Analyzed a **dataset of 1,175,382 rows and 40 variables** from open Google COVID-19 data and applied 10 Machine learning models.
- Identified 5,000 COVID-19 cases, highlighting a 15% higher infection rate among males, using 10 machine-learning models to select the best-fit model.

AWARDS

- **Oracle-certified Java Explorer**
- **Completed AWS cloud practitioner Essentials**
- **Oracle Cloud Infrastructure Generative AI Certified Professional**
- **Infosys certified Software programmer in Infosys for knowledge and expertise in Java, OOP**
- **Joy of computing Python from “National Programme on Technology Enhanced Learning”**