Manasa Kalaga

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Portfolio | LinkedIn | Github

EDUCATION

Gayatri Vidya Parishad College of Engineering
Visakhapatnam, AP, India
Bachelor of Technology in Computer Science (**CGPA 8.87/10**)
June 2022

Sarada Educational Instituations
Vijayawada, AP, India
Intermediate Education (**Percentage 96.6**)
June 2018

SELECTED COURSEWORK

Undergraduate Courses
Computer Programming through C, Data Structures, Design and Analysis of Algorithms, Computer Organisation and Architecture, Computer Networking, Embedded Systems, Cloud Computing

TECHNICAL STRENGTHS

Languages C++, Java, Python, GoLang

Databases MySQL, MongoDB, PostgreSQL

Frameworks and Tools Spring Boot, Qt, Kubernetes, Git, Cucumber, Postman, Jenkins

EXPERIENCE

Software Engineer, NCR Corporation
Jul 2022–Present
Product - NCR Consumer Marketing
- Orchestrated the development of innovative features by conceiving and implementing Proof of Concepts (POCs), validating concepts through rigorous technical assessments.
- Engineered C++ engine and Java microservices into cloud infrastructure for a versatile promotion system, covering Point-Of-Sale (POS), store-level servers, and enterprise data centers.
- Improved debugging processes with the QT framework in MS Visual Studio and QT Creator, ensuring efficient issue resolution.
- Implemented Behavior-Driven Development (BDD) scenarios, aligning software with product expectations and requirements.

Software Engineer Intern, NCR Corporation
Jan–Jun 2022
Product - NCR Consumer Marketing
- Solid understanding of product, cloud service integrations, and the orchestration of diverse microservices, all contributing significantly to achieving solutions.
- Assisted in automating the API documentation process by contributing to the integration of OpenAPI Swagger with the Spring Boot REST API.
- Developed unit tests and substantially enhanced code coverage for the promotions engine.

EXTRA CURRICULAR ACTIVITIES

Google Developer Student Clubs Leader, GVPCOE
Aug 2020–Jun 2021
Community Leadership, Technical Sessions Coordination
- Played a key role in building a thriving community.
- Organized technical sessions in Android, Cloud Computing, Web Development, and coordinated HacktoberFest.

GirlScript Summer of Code, GirlScript Foundation
Mar–May 2020
Python, MongoDB, Web Scraping
- Developed a GUI-based Conference Notifier in Python3.x, utilizing libraries such as requests, BeautifulSoup for web scraping, and pymongo for database management to extract and store conference details
- Enabled filtering of conference data based on user-defined tags.