

Savinay Kariyappa

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SUMMARY

1st year Master's Student in Computer Science interested in pursuing a career in Software Engineering and Data Science.

EDUCATION

RICE UNIVERSITY

MS IN COMPUTER SCIENCE

December 2022 (Exp) | Houston, TX

THE NATIONAL INSTITUTE OF ENGINEERING

BS IN INFORMATION SCIENCE

Jul 2019 | Mysore, India

GPA: 3.6 / 4.0

LINKS

Github:// [savinaykariyappa](#)

LinkedIn:// [savinay-kariyappa](#)

COURSEWORK

GRADUATE

Intro to Artificial Intelligence
Tools and Models for Data Science
Graduate Design and Analysis of Algorithms

UNDERGRADUATE

Big Data Analytics
Data Structures
Analysis and Design of Algorithms
C Programming
Object-Oriented Programming
Database Management Systems
Java Programming

SKILLS

Programming Languages:

- Python • C • C++
- Java • Perl • SQL

Web Technologies:

- HTML • CSS

Containers:

- Docker • Kubernetes

Cloud Technologies:

- AWS • AZURE

Version Control:

- Git

Operating System:

- Windows • Linux

WORK EXPERIENCE

MICRO FOCUS | SOFTWARE ENGINEER

Aug 2019 - Jul 2021 | Bengaluru, India

- Implemented Data Aggregation functionality in Python for an analytics application and compared performance between different scripting languages such as Python and PERL.
- Implemented Distributed Open tracing by using Jaeger and Prometheus to measure performance of various microservices.
- Worked on deployment of data analytics application (COSO) onto different cloud platforms (AZURE and AWS).
- Implemented Rest APIs from scratch in Java using Spring Boot framework
- Worked with test driven development in Java using Junit framework.
- Worked using Agile Development and familiar with the product life cycle.

MYSURU CONSULTING GROUP | SOFTWARE ENGINEERING INTERN

May 2018 - Oct 2018 | Mysuru, India

- Implemented REST based endpoints to create Bayesian Networks to model correlation between various data by using Django and Python

PROJECTS

PERSONAL IDENTITY MANAGEMENT

- Implemented a "Single Window" website for easy storage and access of all relevant personal information using AngularJS and PHP.

FLIGHT PATH ANALYTICS

- Implemented a system to automatically navigate a drone through obstacles for Disaster Management mission using Gazebo Simulation software.
- Used Dijkstra's Algorithm for path planning.
- Explored different methods of storing the location related information of the obstacles a drone might encounter to a common database.

CAR DEALERSHIP MANAGEMENT SYSTEM

- Designed and implemented a database system to make transactions more transparent and ensure small dealerships have a stable growth model using SQL.

KILLER PACMITES

- Implemented a genetic search algorithm in Python to generate a new killer species of Pacmites in the PAC-World game to defeat all other pacmite species.