

# JAYAKUMAR B

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## EDUCATION

**Rajalakshmi Institute of Technology**  
BE Computer Science and Engineering; CGPA: 7.8

Chennai, India  
**Oct 2021 - Present**

**Sri Vijay Vidhyalaiya Matric Higher Secondary School**  
Higher School Education- Bio-Mathematics; Grade: 93.43%

Dharmapuri, India  
**June 2020 - March 2021**

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## SKILLS SUMMARY

- **Languages:** Java, GoLang, Python, C, SQL
- **Frameworks:** Gin/Gonic, Gorilla-Mux, Tensorflow, PyTorch, Flask, REST API
- **Tools:** Docker, Git, GitHub, Postman API, Linux-Debian, CentOS, Jenkins, MySQL
- **Technologies:** Amazon Web Services(AWS), ,Microsoft Azure, Oracle Cloud Infrastructure(OCI)
- **Soft Skills:** Rapport Building, Strong Stakeholder management, People Management, Excellent communication

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## EXPERIENCE

**PYTHON DEVELOPER INTERN | Codsoft | [LINK](#)**

**July 2023-Aug 2023**

- Achieved Certificate of Completion by building 3 projects with GUI and packages like Tkinter, Pillow.
- Projects implemented were Calculator GUI(5 Tkinter widgets), Strong Password Generator, To-Do list(4 list management features).

**INTEL UNNATI TRAINEE | Intel Corportion | [LINK](#)**

**May 2023-Jul 2023**

- Achieved Certificate of Honor by collaborating with Intel by doing a project on Conquering Fashion MNIST using CNN(trained on 60,000+ images!).
- Gained skills like Pattern Recognition, Machine Learning Algorithms, Artificial Intelligence(CNN architecture with 98.83% accuracy), and Python.

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## PROJECTS

**Intelligent Radiologist Assistant(Knee MRI) |React.js, Python, Flask,Pytorch, Docker | [LINK](#)**

- Developed a deep learning model with 96.69% accuracy for analyzing knee MRI, extracting features, classifying pathology, and prioritizing high-risk patients, and built a secure web platform for doctors and patients to manage MRI data, reports, and communication.
- Orchestrated multi-container applications using Docker Compose to optimize the deployment of interconnected services.

**Bookstore Management System | GoLang, MySQL, GORM, Gorilla Mux | [LINK](#)**

- Developed a comprehensive bookstore management system using Go, leveraging Gorilla Mux for efficient routing and implementing CRUD operations with MySQL through GORM for robust data management.
- Implemented CRUD operations including creating, retrieving, updating, and deleting books, ensuring efficient data handling and robust system performance

**Conquering Fashion MNIST with CNN | Python, TensorFlow, CNN| [LINK](#)**

- Developed and trained a Convolutional Neural Network (CNN) using Fashion-MNIST data, achieving 98.83% accuracy in classifying clothing images (shirts, pants, shoes, etc.).
- Designed and compared four different CNN models with varying complexity, demonstrating optimization for real-world applications like online stores and search engines.

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## CERTIFICATES

**AWS Academy Cloud Foundations (AWS) | [CERTIFICATE](#)**

**April 2024**

**Fundamentals of Red Hat Enterprise Linux(Coursera) | [CERTIFICATE](#)**

**Nov 2023**

**Oracle Cloud Infrastructure- Architect Associate 2023 (Coursera) | [CERTIFICATE](#)**

**Oct 2023**

**Oracle Cloud Infrastructure-Foundations Associate (OCI) | [CERTIFICATE](#)**

**Sept 2023**