JAYAKUMAR B

Linkedin: Jayakumar-B
GitHub : Jayakumar8055

Email**: jayakumarb8055@gmail.com**

Portfolio: Jayakumar_B
Mobile: +91 8667681698

EDUCATION

Rajalakshmi Institute of Technology   Chennai, India
BE Computer Science and Engineering; CGPA: 7.8   **Oct 2021 - Present**

Sri Vijay Vidhyalaiya Matric Higher Secondary School   Dharmapuri, India
Higher School Education- Bio-Mathematics; Grade: 93.43%   **June 2020 - March 2021**

SKILLS SUMMARY

- **Languages**:   Java, Go, Python, C, SQL , Shell Scripting
- **Frameworks**:   Gin/Gonic, Gorilla Mux, TensorFlow, PyTorch, Flask, REST API
- **Tools**:   Docker, Version Control System-(Git, GitHub), Postman API, Linux-Debian,CentOS, Jenkins, MySQL, GitLab CI
- **Technologies**:   Amazon Web Services(AWS), Microsoft Azure, Oracle Cloud Infrastructure(OCI)
- **Soft Skills**:   Problem Solving, Strong Communication, Time Management, Teamwork , Collaboration

---

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.

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.

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**