

Josh Danny Alex

B.Tech in Computer Science & Engineering, 2024

Dynamic professional eager to leverage technology for innovative solutions.

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EDUCATION

Bachelor of Technology

Computer Science and Engineering

- Mar Baselios College of Engineering and Technology, Thiruvananthapuram
2020-2024

Higher Secondary School

Central Board of Secondary Education (CBSE)

- Kendriya Vidyalaya Pattom, Thiruvananthapuram
2018-2020

EXPERIENCE

Quest Global

Trainee

November 2024 - Present

- Currently pursuing a training program in C++ with Linux, focusing on mastering foundational and advanced concepts.
- Successfully covered the basics of C++ programming and SQL, demonstrating strong problem-solving skills and adaptability to new technologies.
- Actively engaged in hands-on projects and tasks to solidify understanding and application of learned skills.

Tata Elxsi

Trainee

January 2024 - June 2024

- Designed and developed a chatbot tailored to client requirements, ensuring seamless integration through RESTful APIs.
- Visualized tool usage and implemented Git for version control and Jira for efficient project management.
- Acquired a solid understanding of the software development lifecycle (SDLC), including testing, documentation, and deployment processes.
- Practiced and adhered to corporate standards such as professional conduct, ethics, and industry best practices.

Network Intern

Kerala State Electronics Development Corporation Limited, Thiruvananthapuram

November 2022

- Supported end-to-end network configuration, ensuring optimal performance and minimizing downtime by 6% for mission-critical operations.
- Conducted in-depth network performance analysis, identifying bottlenecks and optimizing throughput, leading to a 20% improvement in system efficiency.

KEY ACHIEVEMENTS

Participant - Intel Unnati Industrial Training (Summer 2023)

April 2023 - July 2023

- Selected as 1 of 32 students from the inaugural batch of my college for the prestigious training program.
- Developed a YOLOv5 deep learning model for road object detection, achieving accurate identification of over five distinct road objects.

SELECTED PROJECTS

Legaligant

Developer

August 2023 - May 2024

- Fine-tuned Llama 2 (7B) for responding to legal queries in the Indian legal domain.
- Implemented Retrieval Augmented Generation (RAG) using LlamaIndex for improved query accuracy.
- Applied prompt engineering techniques to enhance response quality.
- Developed a user-friendly web interface using Streamlit.

Smart Waste Management System

Developer

June 2023 - July 2023

- Developed a model for segregating biodegradable and non-biodegradable waste using TensorFlow.
- Utilized sequential model architecture to implement the solution for efficient waste classification.

Stock Price Predictor

Developer

June 2023 - July 2023

- Engineered a stock price prediction model using Linear Regression, achieving 86% accuracy and an R-squared value of 0.92.
- Preprocessed data by calculating SMA, RSI, and MACD, evaluating model performance with an MSE of 0.02.

SKILLS

Javascript

Machine Learning

Spring Boot

Tensorflow/Pytorch

Java

PostgreSQL

HTML

Data science

IoT

SQL

RESTful API

Python

Data analysis

Cloud Technology

Teamwork

Postman

Networking

Deep Learning

LLM

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