

KARTHIK P

Kollam, India

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EDUCATION

Amrita Vishwa Vidyapeetham University

B.Tech Computer Science & Engineering (CGPA of 7.23)

2023-2027

St. Mary's Residential School, Pathanapuram, Kollam

Higher Secondary School, ISC, Science with Computer Science (86%)

2022-2023

Secondary School, ICSE (96.2%)

2020-2021

EXPERIENCE

N/A

PROJECTS

MARINA | *Java, Python* |

Group Project

- MARINA is an intelligent vehicular cloud system that predicts vehicle movements using LSTM models and optimally schedules computational tasks between mobile vehicles and base stations to minimize costs while meeting deadlines.
- It combines machine learning with real-time resource management for efficient edge computing in dynamic environments.

Stock Market Aggregator | *DSA, Segment Trees, Min-Heap, Max-Heap* |

Individual Project

- Stock Market Aggregator is a Python program that tracks stock prices, calculates statistics like averages and rolling trends, and provides real-time alerts. It uses heaps and segment trees for fast retrieval and efficient range queries.

CERTIFICATIONS

- IBM AI Engineering** – 13 course series (Machine Learning with Python, Introduction to Deep Learning & Neural Networks with Keras, Deep Learning with Keras and Tensorflow, Introduction to Neural Networks and PyTorch, Deep Learning with PyTorch, AI Capstone Project with Deep Learning, Generative AI and LLMs: Architecture and Data Preparation, Gen AI Foundational Models for NLP & Language Understanding, Generative AI Language Modeling with Transformers, Generative AI Engineering and Fine Tuning Transformers, Generative AI Advance Fine-Tuning for LLMs, Fundamentals of AI Agents Using RAG and LangChain, Project: Generative AI Applications with RAG and LangChain)

PROFILE LINKS

- Leetcode : leetcode.com/u/karthik_010_/
- GitHub : github.com/karthikp-04

TECHNICAL SKILLS:

Languages: Java, Python, C, C++, HTML/CSS, JavaScript, SQL
Technologies/Frameworks/Libraries: Node.js, React.js, Electron.js