

GOKULAMUTHU MS

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in Gokulamuthu MS

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Education

KCE-Karpagam College of Engineering

B.Tech in Artificial Intelligence and Data Science

- GPA: 7.8 /10.00
- **Coursework:** Foundational mathematics, Basic Programming(Python,Java), Data structures and design, Design and analysis of algorithms, Database management system, Introductory machine learning, MLops.

Projects

Fake News Detection

- The system uses Logistic Regression to classify news credibility and leverages Git, DVC, and Docker for version control and containerized deployment, with a Flask backend for seamless prediction serving.

Word Chain Game

- The game uses word frequency analysis for dynamic word selection principles for modular design, with Flask handling game logic and session management for a smooth player experience.

Fashion Sentiment Analysis

- Leverages Logistic Regression on fashion text datasets for sentiment classification, with Flask handling model inference and web interaction, demonstrating an end-to-end ML pipeline.

Survival Chatbot

- A Flask-based conversational agent that uses keyword-triggered logic to deliver real-time survival tips from a curated knowledge base, deployed as a lightweight web service for emergency guidance.

Skills

- **DSA:** Working knowledge in designing and optimizing algorithms for arrays, linked lists, trees, graphs, and dynamic programming problems.
- **MLops:** Skilled in version control (Git/DVC), containerization (Docker), and CI/CD pipelines (Jenkins) to build reproducible ML workflows and deploy scalable model serving systems.
- **DBMS:** Proficient in relational databases, SQL, normalization, indexing, and transactions.
- **Web Application Development:** Skilled in building web applications using Servlet, JSP, Spring MVC, Spring Boot, and Hibernate, with experience in REST APIs, database integration, and scalable backend systems.
- **Programming Languages:** Working knowledge in Java and Python, with experience in software development, algorithms, and scripting.
- **OOPs:** Proficient in applying OOP principles (inheritance, polymorphism, abstraction, encapsulation) for scalable code design.
- **Data Science:** Skilled in data analysis, cleaning, visualization, and machine learning using libraries like Pandas, NumPy, and Scikit-learn.

Achievements

- Consistently solving problems on platforms like CodeChef, LeetCode and Code 360
- Earned several certificates from Coursera, Great Learning, enhancing skills in AI, Data Science and technology
- Regular participant in CodeChef weekly contests, improving problem-solving and algorithmic skills.

Certifications

- Certificate of completion for CI/CD for beginners
- Certificate of completion of Java training
- NPTEL certificate for soft skills
- Great learning certificate for Introduction To Internet Of Things