SAMEER

Bengaluru, India 560091 | +91 9448 880 501 | sameergyd0501@gmail.com | <u>Linkedin</u> | <u>Github</u> | <u>Sameerportfolio</u>

Summary

A results-driven Information Science student with a strong passion for architecting highly reliable, large-scale systems using functional programming principles. Possesses hands-on experience in developing backend services, building intelligent data-driven solutions, and designing low-code frameworks. Eager to contribute to mission-critical projects and solve complex challenges in the payments domain by applying first-principles thinking and a deep interest in system architecture.

Technical Skills

- **Programming Languages:** C#, Python, Scala, Java, SQL, JavaScript/TypeScript, Haskell (Beginner)
- **Backend & Architecture:** Express.js, Microservices, REST APIs.
- **Data Science & ML:** Scikit-learn, TensorFlow, Keras, Pandas, NumPy, Anomaly Detection, Apache Spark (Basics)
- **Frontend & Visualization:** React.js (Basics), HTML5, CSS3, D3.js
- **Databases:** PostgreSQL, MongoDB, Redis
- **Tools & Platforms:** Git, GitHub, VS Code, Postman, Jupyter Notebook

Projects

SyncUP Real Time Collaborative Project | *React.js, Node.js, Express.js, PostgreSql*

- Architected and built a full-stack, Trello-inspired task management application to facilitate real-time project collaboration for teams.
- Developed a dynamic and responsive user interface with **React**, utilizing hooks (useState, useEffect) for efficient state management and component lifecycle control.
- DeDesigned a relational database schema and managed data persistence using PostgreSQL.

Movie Recommendation System| *Python, Machine Learning*

- Preprocessed and cleaned a dataset of 5000+ movies (TMDB 5000 Movie Dataset) using the Pandas library, handling missing values and merging multiple data sources (movies and credits).
- Developed a Python function that takes a movie title as input, finds its corresponding feature vector, computes its similarity score against all other movies, and returns the top 10 most similar movies as recommendations.

AGRITECH-BLOCKCHAIN BASED FOOD SUPPLY CHAIN MANAGEMENT

- We've proposed an idea for creating an application for the food supply chain using blockchain technology. It makes advantage of blockchain's key functionalities, such as smart contracts, P2P, SHA-256 which are all employed on blockchain networks.

DISEASE PREDICTION USING MACHINE LEARNING

- In this project, with the help python, we built a model for predicting the type of disease. We built a user-friendly interface with HTML and CSS. The random forest, decision tree algorithm gave the good accuracy to my model.

Education

East West Institute of Technology | Bengaluru, India *Bachelor of Engineering (B.E), Information Science and Engineering Expected Graduation: 2026 | CGPA: 8.0/10.0*

Certifications

- Machine Learning with Python - *IBM*
- Introduction to Data Science - *Ethontech*
- Google Analytics Certification - *Google Skillshop*
- IBM MULITLEN Certificate - Cognitive Class