SAMEER

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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.
- **Backend & Architecture:** Express.js, API.NET CORE (BASIC), REST APIs.
- **Data Science & ML:** Scikit-learn, TensorFlow, Keras, Pandas, NumPy, Anomaly Detection, Apache Spark (Basics)
- **Frontend & Visualization:** React.js (Basics), HTML5, CSS3.
- **Databases:** PostgreSQL, MongoDB, Redis
- **Tools & Platforms:** Git, GitHub, VS Code, 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.

Personal Blog or Recipe Blog |ASP.NET, Blazor, SQL lite

- A Blazor Web Assembly application for a personal blog focused on recipes. This project allows users to view, create, edit, and manage blog posts with recipes.
- It features a client-side Blazor app for the user interface, a server-side ASP.NET Core API for data management, and shared models for consistency across the application.

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).

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.

Basic banking terminal

- This project is a C# console application that simulates a secure banking terminal. It demonstrates core object-oriented programming (OOP) principles by modeling user accounts, handling transactions, and managing application state.

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