

# SAKTHIVEL V



## Profile Summary **Passionate**

B. Tech Final year student specializing in Artificial Intelligence and Machine Learning at Bannari Amman Institute of Technology.

Proficient in C, Python (Basics), SQL, and experienced in Machine Learning and CS Fundamentals. Successfully completed projects **Enterprise Multi-Resume HR RAG System**

## Contact details

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[Github](#)  
[LinkedIn](#)  
[Portfolio](#)

## Personal information

Citizenship: **Indian**  
Languages: **English, Tamil**

## Skills

- Machine Learning , RAG ,LLMs , MCP (Model Context Protocol) , Vision Models
- Python Programming (Basics) , SQL , C Programming ,Linux (Basics)
- Cloud Computing , Docker , Aws Cloud,S3 , EC2

## Projects

### **Enterprise Multi-Resume HR RAG System**

• The Enterprise Multi-Resume HR RAG System is an AI-powered recruitment platform that automates candidate screening using Large Language Models and structured HR analytics. The system allows HR teams to upload bulk candidate datasets, apply structured filters such as department, degree, experience, and age, and analyze shortlisted profiles intelligently. It integrates the GLM 4.5 Air model via OpenRouter to generate detailed candidate analysis, strength summaries, hiring recommendations, and professional HR insights. By combining data filtering with LLM-based evaluation, the system reduces manual screening effort, improves hiring accuracy, and delivers scalable, enterprise-ready recruitment decision support.

### **Beach Safety**

• The Progressive Web App for Beach Safety and Recreational Suitability is designed to help users evaluate whether Indian beaches are safe for recreational activities. The system collects oceanography, water quality, weather, and marine safety data from public sources such as Wikipedia and official government websites using web scraping techniques. It processes and cleans the extracted data, then uses the Groq API to summarize and enhance readability. Based on environmental conditions and safety alerts, including references from INCOIS, beaches are classified as Suitable or Not Suitable. The final output is presented as structured PDF reports for informed decision-making and safe tourism..

### **AI Stock Analyzer**

The AI Stock Analyzer is a system that uses artificial intelligence and machine learning to analyze stock market data and provide useful insights for investors. It collects historical and real-time stock data, identifies patterns, and predicts possible future price trends. The system also generates visualizations and basic recommendations such as buy, hold, or sell decisions. This project helps users make better investment decisions by providing data-driven analysis and reducing manual effort.

## Education

Bachelor of Technology in Artificial Intelligence and Machine Learning. Bannari Amman Institute of Technology. 2022– Current

### **Exprience**

- Quality checker Fleetguard - Hosur July2022-Dec2022
- Robot operator Jan 2023-Jul 2023 Toyota Boshoku automotive India Pvt Ltd -Hosur

### **Tool and Technologies**

- LSTM Random Forest,CNN
- Model deployment with Docker
- Winscp,Secure Shell,Git
- Google Collab

### **Hobbies**

Trading, Stock Market, Plaing Video Game