

# SAKTHI NAVIN R DATA SCIENCE ENGINEER

 navinmalarkodi02@gmail.com  
 +91 6380786449  
 SIVAGANGAI  
 INDIA  
 linkedin.com/in/navin-rajarathinam-345b90228

## Education

### 2024 - 2025 - PUMO TECHNOVATION.

Data Science Engineering

### 2020 - 2024 - KARPAGAM COLLEGE OF ENGINEERING, COIMBATORE.

B.E in Electrical and Electronics Engineering

### 2019 - 2020 - SHANTHI RANI MATRIC HR SEC SCHOOL, KALLAL.

Higher Secondary Certificate

### 2017 - 2018 - SAMBAVIGA MATRIC HR SEC SCHOOL, SIVAGANGAI.

Secondary School Leaving Certificate

## Courses

### DATA SCIENCE ENGINEER

PUMO TECHNOVATION 2024 -2025 | CHENNAI, INDIA

## Certificates

- **Certified Python Programming** – [Pumo Technovation]
- **Data Science Specialization** – [Pumo Technovation]
- **PowerBI Visualization** – [Pumo Technovation]

## Interests

- **Machine Learning & AI:** Focused on building predictive models and automating decision-making using advanced algorithms. Interested in deep learning, reinforcement learning, and model optimization.
- **Data Visualization:** Specializing in creating interactive and insightful dashboards using tools like Tableau and Power BI to communicate complex data stories to stakeholders.
- **Predictive Analytics:** Interested in leveraging historical data to forecast future trends, customer behavior, and business outcomes across industries like retail, finance, and healthcare.

## Declaration

I sincerely declare that the fact provided in this resume are true and correct to the best of my knowledge.

## Skills

### DATA SCIENCE

- **Data Visualization:** PowerBI, Tableau, Matplotlib, Seaborn
- **Programming Languages:** Python
- **Machine Learning:** Supervised Learning, Unsupervised Learning
- **Tools & Libraries:** VS Code & Pandas, NumPy
- **Databases:** MySQL

## Projects

### COMPETITIVE MARKETING ANALYSIS AND ROI COMPARISON USING DATA VISUALIZATION:

A business intelligence project to compare marketing strategies, costs, and returns (ROI) of competing brands using analytics tools like Power BI and Excel.

### COVID-19 IMPACT AND RECOVERY ANALYSIS USING SHAPE MAPS AND POWER BI:

A dynamic dashboard project to visualize the spread, impact, and recovery of COVID-19 across states or countries using charts and map-based analytics.

### INTELLIGENT CHATBOT SYSTEM USING RETRIEVAL-AUGMENTED GENERATION AND LIVE WEB SEARCH

This project implements an advanced AI chatbot that leverages Retrieval-Augmented Generation (RAG) architecture combined with real-time web search integration. The system retrieves relevant information from both internal knowledge bases and external web sources to generate accurate, contextual, and up-to-date responses, making it ideal for customer support, research assistants, and dynamic information services.

### AI CHATBOT USING RETRIEVAL-AUGMENTED GENERATION (RAG) AND REAL-TIME WEB SEARCH INTEGRATION:

An intelligent chatbot system that combines Retrieval-Augmented Generation (RAG) with live web search capabilities to provide accurate, up-to-date, and context-aware responses by retrieving relevant documents from internal databases and external web sources.

### QUERYAI: INTELLIGENT DATABASE MANAGEMENT USING LARGE LANGUAGE MODELS:

QueryAI is a smart application that enables users to perform CRUD (Create, Read, Update, Delete) operations on a database using natural language queries. Powered by Large Language Models (LLMs), the system translates user prompts into SQL queries, simplifying database interaction for non-technical users and enhancing productivity with AI-driven automation.of power in power station

## Publications

### IEEE-THREE PHASE ELECTRIC LINE FAULT DETECTION AND POWER CONSUMPTION MONITORING SYSTEM USING HYPERTEXT PREPROCESSOR APPLICATION

SAKTHI NAVIN R Jul 2024

## Professional Experience

### 2024 - SCHNEIDER ELECTRIC INDIA PVT LTD.

- A highly skilled and results-driven **Automation Engineer** with, implementing, and optimizing automated systems. Expertise in PLC programming, robotics, control systems, and system integration.