

# Saras Ramasamy

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## Professional Summary

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Adaptable, resilient, and detail-oriented analyst with hands-on experience in a wide range of tools and techniques to solve problems using data. Skilled in data analytics, visualisation, machine learning and AI, with a proven ability to develop systems to translate complex data into actionable insights. Gained experience in requirement gathering, cross-functional collaboration, and business management skills to deliver impactful solutions. Eager to contribute my skills and passion to a dynamic organisation, and embark on a challenging & rewarding career journey.

## Skills

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- **Soft Skills:** Analytical thinking, problem-solving, teamwork, customer service, communication, & adaptability.
- **Technical Skills:** Data preparation & analytics, data visualisation, Programming languages, SQL & NoSQL.
- **Tool Kit:** Power BI, Tableau, PostgreSQL, MongoDB, Neo4j, Python, Prolog, KNIME, ArcGIS.

## Education

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**Canterbury Christ Church University**, MSc in Data Intelligence Sept 2021 – Sept 2023

- **GPA:** 6.4 | **Relevant Coursework:** Data Visual Analytics, AI for Data Intelligence, Big Data Database Management, & Data in Action.
- Developed proficiency in data preparation, modelling, analyses, visualisation, governance, and machine learning techniques through hands-on projects and coursework.

**Avado Learning**, Skills Accelerator - Data for Energy using PowerBI Feb 2024 – Apr 2024

- **Data Analyst** skills development program focused on utilising Microsoft Power BI for analysing data to solve problems p. Performed data pre-processing, data modelling, and data analyses through the Power Query tool and developed interactive visualisation dashboards in Power BI Desktop using data from the energy industry.
- Improved my proficiency in PowerBI and analyses skills and developed my interest & knowledge of sustainability and green energy transition.

**PRIST University**, B.Tech in Electrical and Electronics Engineering Aug 2011 – May 2015

- **CGPA:** 6.71 | **Relevant Coursework:** Principles of Management, Engineering Mathematics, Fundamentals of Computing, Object Oriented Programming, Circuit and Network analysis
- Gained foundational knowledge in engineering principles, problem-solving, technical analyses, and AGILE methodologies.

## Experience

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**Data Specialist**, Data Folks Ltd – Folkestone, UK Jan 2025 – Present

- Prepare, transform, and analyse data to identify patterns and generate reports on actionable insights with supporting charts/graphs to help make evidence-based decision making.
- Collaborate with cross-functional teams to design and implement data architectures, and pipe-lines to efficiently store, retrieve, analyse, and govern the organisations' data.

**Customer Team Lead**, The Co-operative Group – Manchester, UK Apr 2024 – Feb 2025

- Supported operations to ensure compliance with company standards, demonstrating strong leadership skills.
- Improved team efficiency by being highly organised, flexible, and fostering a supportive work environment.

**Operations Analyst**, DVS Group – Chennai, India Mar 2018 – May 2021

- Analysed operational processes and implemented data-driven solutions to optimise workflows.
- Enhanced decision-making by analysing data and presenting actionable insights to senior management.

**Data & SEO Analyst (Part-time)**, Holistic Investment Planners – Chennai, India Apr 2019 – Sept 2019

- Conducted in-depth analyses of website traffic data, identifying trends and recommending strategies using Google Analytics to boost organic reach by 25%.

- Collaborated with expert investment advisors to simplify complex financial data, to improving stakeholder understanding and engagement.
- Generated and analysed keyword ranking reports and performed competitor analyses, to guide content strategy and enhance search engine visibility.

**Assistant Manager**, SRT Travels Ltd – Chennai, India

Sept 2016 – Feb 2018

- Assisted senior management in sales analyses, service planning, and staff scheduling, ensuring seamless operations. Trained and mentored staff, improving customer service ratings by 15%.
- Played a major role in implementing dynamic pricing strategies using RedBus Plus Analytics, increasing revenue by over 12%.

**Entrepreneur – Integrated Farming Business**, Self-Employed – Coimbatore, India

Jan 2016 – Sept 2016

- Founded and operated a start-up focused on integrated farming, experimenting with sustainable agricultural practices.
- Successfully managed operations and achieved profitability before closing the business due to challenges in manpower and automation costs.

**Technical Support Consultant**, Sutherland Global Services Ltd – Chennai, India

Aug 2015 – Dec 2015

- Diagnosed and resolved software issues for clients, achieving a recognisable customer satisfaction rate.
- Simplified complex technical solutions for non-expert clients, demonstrating strong communication, attention-to-detail, and listening skills.

## Projects

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- **Conversational AI:** Experimented with chatbot development frameworks like AIML, Google Dialogflow and Python. Compared frameworks based on ease of development, use, scalability, and natural language understanding. Created prototype chatbots to demonstrate how conversational AI can improve interactions and automate responses.
- **Prediction Modelling:** Developed a machine learning model to predict student grades based on historical & survey data. Performed a co-relation analysis to identify key factors influencing academic success and used linear, logistic, and random forest regression to identify the most accurate prediction model. Presented findings in a clear and actionable format to help educators improve teaching strategies.
- **ETL Pipeline for Scientific Publications:** Extracted semi-structured data (JSON) from a scientific database, transformed it using map/reduce, and loaded it into MongoDB Cloud Atlas for efficient querying and analysis.
- **Geographic Information System (ArcGIS) – Indoor Navigation:** Developed a proof-of-concept to help users navigate complex indoor environments efficiently. Designed an indoor navigation system using Esri ArcMap, to perform least-cost analysis for pathfinding (travelling sales-man problem).
- **Artificial Neural Network – Robot Movement:** Employed a single artificial neuron and evolutionary algorithm to guide a robot's movement from visual input using Python. Trained the model to successfully achieve obstacle identification and avoidance.
- **Data Modelling – Intelligent Apparatus System:** Designed and implemented a relational database using Lucidchart and PostgreSQL to monitor and control components of a lighting and heating system.

## Professional Registration & Volunteering

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**British Computer Society:** Member (Membership Number: 995139991)

2023 – Present

**British Antarctic Survey:** Volunteer, Walrus Detective Program

2023 – 2024

## Other Qualifications & Certifications

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**Learning How to Learn: Mastering Tough Subjects** (Coursera)

2022

**Level 3 Emergency First Aid at Work**

2025

**Level 2 Door Supervision** (SIA License Number: 1013386665939501)

2025