

# ARUNTHAVARAJ ANANTHAVEL

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## PROFESSIONAL SUMMARY

Data Analyst with **3+ years** of experience transforming data into strategic insights that drive business decisions. Proficient in **SQL, Python, Excel, Power BI**, and **SAP**, with strengths in machine learning, statistical modelling, and cross-functional collaboration. MSc in Data Science & Analytics from the University of Leeds. **Right to Work** in the UK. Actively seeking full-time roles in data analytics or BI.

## WORK EXPERIENCE

**Application Development Analyst (SAP BI)** | Accenture PLC | Chennai, India August 2021 – August 2023

- Created dynamic dashboards for **stakeholder communication** in Power BI and Excel using **DAX** and **Power Query** to track **KPIs**.
- Designed and optimised **ETL pipelines** using SQL to streamline data workflows and enhance data quality.
- Led system upgrades and supported HANA **database management** using SQL across 15+ SAP systems with **100% uptime**.
- Cross-trained in SAP BASIS and Solution Manager (SOLMAN) including CHARM for versatile enterprise support.
- Worked closely with business and functional teams to implement **data governance** practices and improve data reliability.
- Received awards like Inspiring Innovator, Growth Catalyst, and Embracing Shared Success for exceptional performance.

**Data Science Lead Instructor** | Hatch School of Code | Chennai, India August 2020 – August 2021

- Delivered end-to-end training in **Python, R, and machine learning** to **50+** students, integrating real-world business applications.
- Created a **student analytics dashboard** to track engagement and performance, enhancing tracking efficiency by 20%.
- Managed a team of instructors and designed a comprehensive data science syllabus, aligning content with industry standards.

**Software Intern** | Smazee Software Solutions | Chennai, India November 2019 – December 2019

- Engineered a **Firestore-backed** Android app for user tracking, reducing API latency and boosting functionality by 20%.
- Integrated RESTful APIs and conducted QA testing, streamlining app reliability and user experience.

## PROJECTS

**Unsupervised Machine Learning of Rainfall – DISSERTATION (Industry Collaborated Project)** September 2024

- Collaborated with **Met Office** and applied DBSCAN, Hierarchical, and K-means clustering in **R** on UK climate data (1980 – 2080) to segment rainfall patterns and classify cloud types, enhancing forecasting accuracy using high-resolution spatio-temporal dataset.

**Prediction of ICO Success using Machine Learning Classifiers** March 2024

- Implemented **AdaBoost** and **Random Forest** models to forecast ICO success with 85% accuracy, optimising fundraising strategies, while creating **Tableau dashboards** to visualise insights, enabling data-driven decisions and improving ICO campaign outcomes.

**Customer Churn Analysis** November 2023

- Conducted churn analysis using **Python** and **SQL**; identified key predictors using **logistic regression** and **decision trees** (95% accuracy). Presented insights via interactive **Power BI** dashboards, resulting in a 20% increase in **customer retention**.

## EDUCATION

**MSc in Data Science and Analytics (2:1 Merit)** | University of Leeds | Leeds, UK September 2023 – September 2024

- **Modules:** Data Science, Statistical Theory & Methods, Statistical Learning, Business Analytics & Decision Sciences, Machine Learning in Practice, Deep Learning.

**BEng in Electrical & Electronics (8.49/10)** | Anna University | Chennai, India August 2017 – August 2021

## SKILLS AND CERTIFICATIONS

- **Technical Tools:** Python | SQL | R | Tableau | Power BI | Excel | Scikit-learn | TensorFlow | PyTorch | SAP Basis | SAP HANA | SAP Solution Manager | Git | Jira | Microsoft PowerPoint | AWS.
- **Data Skills:** Data Analysis | Data Visualisation | Predictive & Prescriptive Analysis | Statistical Analysis | Machine Learning Algorithm modelling | Data Modelling & Mining | Data Management | Business Analysis | Data Governance | Agile & Scrum.
- **Certifications:** Google Data Analytics (Google) | AWS Certified Cloud Practitioner (AWS) | Data Analytics and Visualization Job Simulation (Accenture) | SAP Certified Technology Consultant (SAP) | Algorithmic Toolbox and Neural Networks Specialization (Coursera) | Microsoft Office Specialist: Excel Associate & Expert (Microsoft Office 2019).