# ARUNKUMAR A

**+91 7448449449 | arunkumar1005a@gmail.com | GitHub | LinkedIn |**

## EDUCATION:

| COURSE | UNIVERSITY/BOARD | INSTITUTE | DURATION | CGPA/ PER |
|---|---|---|---|---|
| **M.Sc. Applied Data Science** | SRM University | SRM Institute of Science and Technology | Aug 2022 - May 2024 (Exp) | **9.3** |
| **B.Sc. Statistics** | University of Madras | Madras Christian College | Jun 2019 - Jun 2022 | **82%** |
| **Higher Secondary (12$^{th}$)** | State Board | Sri Ahobila Math Oriental Hr Sec School | Jun 2018 - Mar 2019 | **84%** |
| **Senior Secondary (10$^{th}$)** | State Board | Sri Ahobila Math Oriental Hr Sec School | Jun 2016 - Mar 2017 | **95%** |

## FUNCTIONAL AREA:

- Data Analysis
- Business Intelligence
- Data Visualization
- Database Management and Querying
- Machine Learning
- Deep Learning

## TECHNICAL SKILLS:

**Analytical Tools**
- *Advanced Excel* – Pivot Tables | Charts| Lookups
- *Power BI* - Power Query | ETL | Modelling | DAX | Dashboards
- *Tableau -* Report |Aggregate calculation |Relationships | Various filters

**Programming Language**
- *Python* - Pandas| NumPy| Matplotlib | Seaborn | Sklearn
- *SQL* - JOINS | Subqueries | CTEs | Stored Procedures | Window Fn

**Database**
- *MySQL*
- *Oracle SQL*

## INTERNSHIP:

### 1. UNIFIED MENTOR – Data Analytics Intern, *Remote*                          Feb 2024- Apr 2024
- Uncovered insights through data visualization and analytics using Python and Power BI.
- Worked on the project "Employee Attrition Analysis" for Green Destination.
  - Analysed company-wide attrition rate, standing at 16%, with an average monthly income of $6,500.
  - Identified the highest attrition rate among male employees, reaching 63%.
  - Recognized single employees as experiencing the highest attrition rate.

### 2. SKILL VERTEX - Data Science Virtual Intern, Bangalore, India                          Apr 2023 – Jun 2023
- Mastered key data science skills: statistics, Python programming, and machine learning through a virtual internship.
- Developed impactful ML projects for "Fake Currency Detection" & "Loan Prediction" contributing to prevention & optimized lending practice.
- Gained hands-on experience in data science applications, significantly boosting analytical capabilities.

## PROJECTS EXPERIENCE:

*1.Data-Driven Success: Driving Growth and Efficiency at AtliQ Hardware:* [ **MS Excel** | **MySQL** | **Power BI** ] **Live Dashboard**
- Automated data cleaning processes, reducing processing time by 4 hours and boosting operational efficiency by 20%.
- Facilitated swift strategic decisions leading to a 10% profit increase within Q1 through P&L analysis.
- Identified cost-saving opportunities resulting in a 15% increase in operational efficiency and annual cost reductions exceeding $500,000.
- Projected a 10% revenue increase and a 20% reduction in data expenses with the Sales Insight Dashboard, positioning it to drive revenue growth by at least 7% in the upcoming quarter.

*2.Hotel Booking and Revenue Insight Dashboard for AtliQ Grands:* [**Power BI | MySQL**] **Live Dashboard**
- Combated declining market share and revenue for AtliQ Grands by creating an analytical report using 3 months' data.
- Built a dashboard to help the Revenue team understand trends and target a 20% growth in the following month.

*3.Sports Analytics & Performance Visualization:* [**Tableau**] **Live Dashboard**
- Constructed an IPL analysis dashboard to visualize key performance metrics like team win percentages, top scorers, and average strike rates across seasons, aiding strategic decision-making.

*4. Predictive Modeling for Calorie Burn during Workouts:* **GitHub Repo**
- Developed "Burn Smart" calorie burn prediction models using XGBoost algorithms.
- Optimized model performance through hyperparameter tuning, achieving significantly lower training (0.78) and validation (1.005) errors.
- Enhanced user experience by streamlining the model interface for broader utilization.

*5. Automated Skin Disease Detection Using Deep Learning (CNN):*
- Designed and implemented a deep learning model for skin disease identification with 98% accuracy, exceeding industry standards.
- Reduced error by 10% and reducing diagnosis time by 50%, creating a user-friendly web interface for diagnosis using Streamlit & HTML

## CERTIFICATION: Link

- **CODEBASICS** – SQL Beginner to Advanced       Sep 2023
- **UDEMY** – Power BI Masterclass                 Jun 2023
- **UDEMY** – Tableau A to Z for Data Science      May 2023

## LANGUAGE:

- TAMIL   : Read, Write, Speak
- ENGLISH: Read, Write, Speak