ARUNKUMAR A

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🎯 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 (12th)	State Board	Sri Ahobila Math Oriental Hr Sec School	Jun 2018 - Mar 2019	84%
Senior Secondary (10th)	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:

- **Power BI** - Power Query | ETL | Data Modelling | DAX Language | Reports and Dashboards
- **Advanced Excel** – Aggregate Functions | Pivot Tables | Charts | Lookups
- **Python** – Pandas| NumPy| Matplotlib | Seaborn | Sklearn
- **SQL** - Basic Commands | Aggregate Functions | Table JOINS | Subqueries | CTEs | Stored Procedures | Window Functions
- **Tableau** – Reports and dashboards | Aggregate level calculations |Relationships | Various filters
- **Others** –SPSS, Microsoft Word, Microsoft Power

📇 INTERNSHIP:

SKILL VERTEX - Data Science Virtual Intern, Bangalore, India   *(Apr 2023 – Jun 2023)*

- Attained expertise in Statistics, Python programming, and Machine Learning.
- Boosted Data Analysis skills, enabling more effective decision-making.
- Accomplished impactful projects on "Fake Currency Detection" and "Loan Prediction" using ML, contributing to fraud detection and improved lending practices. **Link-1 | Link-2**
- Garnered, practical experience in data science applications, enhancing analytical capabilities.

🗃 PROJECTS:

1. *Implemented "Burn Smart" Calories Burn Prediction Model using ML:* **Link**
- Constructed models to estimate workout calorie burn, employing various algorithms including Linear Regression, Lasso, Ridge, Random Forest & XGBoost.
- Improved prediction accuracy through hyperparameter tuning so model performance with lower training (0.78) and validation (1.005) errors.
- Enhanced accessibility by streamlining the user interface, facilitating broader utilization.

2. *Orchestrated Financial Analysis for AtliQ Hardware leveraging MySQL:* **Link**
- Presented Insights on 10 ad-hoc business requests to the executive management team, by querying the million rows database using SQL.
- Insights from presentation have the potential to significantly reduce overall operational costs by approximately 10 %.

3. *Crafted Sales Insight Dashboard for AtliQ Hardware using Power BI:* **Link**
- The dashboard enabled Atliq hardware to analyze different department sales trends and make data-driven decisions, leading to a projected 10% revenue acceleration and 20% reduction in data-related expenses.
- This dashboard could assist in raising the revenue at least by 7% in the next quarter.

4. *Designed Hotel Booking and Revenue Insight Dashboard for AtliQ Hotel utilizing Power BI and SQL:* **Link**
- Atliq Grands observed declining market share and revenue. Created a Power BI dashboard for analysis using 3 months' data.
- Dashboard enabled Revenue team to understand revenue trend, aiming for 20% growth next month.

5. *Executed IPL Analysis utilizing Tableau:* **Link**
- Visualized team win percentages, top scorers, and average strike rates across seasons, enabling strategic insights.

6. *P&L Analysis: Leveraging Excel, Pivot Tables, and Power Query:*
- Generated a comprehensive P&L report for AtliQ Hardware FY 2022, utilizing advanced features in Excel such as Pivot Tables and DAX to provide granular insights into revenue streams and expense categories.
- Automated the data cleaning using Power Query, which can rescue around 4 hours of repeated manual work.

🎖 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
- **PANTECH SOLUTION** – Machine Learning — May 2023
- **PANTECH SOLUTION** – Excel Masterclass — Sep 2022

🎛 LANGUAGE:

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