

# Aravind G

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## Professional Summary

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Results-driven Data Scientist with a BSc in Computer Science, skilled in data analytics, machine learning, and predictive modeling. Proficient in Python, SQL, and cloud technologies. Experienced in data preprocessing, visualization, and model deployment to support business decision-making and optimize performance.

## Work Experience

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**Data Science Intern**, Luminar Technolab, Kochi

June 2024 – February 2025

- Collected, cleaned, and processed datasets exceeding 10GB using Python and SQL.
- Performed exploratory data analysis (EDA) and identified key trends using Matplotlib and Seaborn.
- Built and optimized machine learning models, improving prediction accuracy by 15%.
- Developed interactive dashboards in Power BI, streamlining data-driven decision-making.

## Education

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**University of Kerala**, BSc Computer Science

Sep 2021 – May 2024

Relevant Coursework: Object-Oriented Programming, Data Structures and Algorithms, Operating Systems, Database Management, Machine Learning.

## Technical Skills

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**Programming Languages:** Python, SQL

**Data Analysis Tools:** Excel, Power BI, Jupyter Notebook

**Machine Learning:** Scikit-learn, NLP, Deep Learning

**Data Visualization:** Power BI, Matplotlib, Seaborn

**Database Management:** MySQL

**Cloud Platforms:** AWS

**Data Wrangling:** Pandas, NumPy, SQL

## Projects

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### Navi Med – Academic Major Project

- Designed and implemented a healthcare management platform with AI-driven self-diagnosis and patient management.
- Integrated machine learning algorithms for heart disease prediction, achieving 92% accuracy.
- **Technologies Used:** Python, MySQL, Machine Learning, Flask, React.

### Bitcoin Price Prediction Using Machine Learning

- Built a deep learning model using LSTM networks to forecast Bitcoin prices using historical data.
- Achieved an  $R^2$  score of 0.93, outperforming traditional models.
- **Technologies Used:** Python, Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib, Keras.

### Sales Insights – Brick & Mortar Business [Power BI — SQL]

- Designed a Power BI dashboard to understand AtliQ hardware goods sales trends.
- The final dashboard was effective at displaying the sales trend of AtliQ hardware, allowing users to understand the data and make informed decisions.
- This dashboard could help in increasing the revenue by at least 7% in the next quarter.

## Certifications

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### **Data Science – Python**

National Council for Technology and Training (NACTET)

### **Data Science – Python**

Luminar Technolab, Cochin – Kerala

Completed a 7-month training program in Data Science with Python.

Date of Completion: February 28, 2025