ATHULYA ALEX

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LinkedIn

SUMMARY

Passionate data science student pursuing an Integrated M.Sc. in Data Science, driven by a deep interest in transforming data into actionable insights. Skilled in machine learning, deep learning, and explainable AI, with hands-on experience in building predictive models and data-centric applications. Eager to apply my analytical thinking and technical skills to solve real-world problems and contribute to innovation-focused teams.

EDUCATION

- **Nirmala College (Autonomous) Muvattupuzha** — *2021 – Present*
  Integrated MSc Computer Science - Data Science
  Bachelor's Degree CGPA (Upto 3rd Year): **8.7**

- **Nirmala HSS, Muvattupuzha** — *2019 - 2021*
  Higher Secondary Education
  CGPA : **9.3**

- **Nirmala Public School, Muvattupuzha** — *2019*
  Secondary School Education (Class X)
  CGPA : **8.2**

INTERNSHIPS

FACTS-H LAB, IIIT KOTTAYAM — *Dec 2024 - June 2025*
Explainable AI Intern

- Developed an AQI prediction system using ML, applying XAI methods (SHAP, LIME, PDP, ICE) to enhance interpretability and insights.

ACADEMIC PROJECTS

ProPlantec – Nursery Management System — *May 2024*
Web Application Development
Tech Stack: HTML, CSS, JavaScript, Bootstrap, jQuery, Java, JSP, Servlets, MySQL

- The system enables efficient nursery operations by offering features such as order management, user authentication, inventory management, and multi-role access for admins, nurseries, and customers.
- Integrated MySQL for efficient data handling and enabled multi-role access for admins, nurseries, and customers.

TECHNICAL SKILLS

- **Programming Languages :** Python, Java, JavaScript,C, C++
- **Web Development** : HTML, CSS, Javascript
- **Database :** MySQL
- **Tools/Environments :** VS Code, Jupyter Notebook ,Tableau, R-Studio, Google Colab
- **Data Science & ML Libraries :** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn
- **Core Data Science Skills :** Machine Learning, Deep Learning, DataVisualization, Explainable AI
- **Soft Skills :** Problem Solving, Self-Motivation, Trustworthiness, Work Ethic, Patience
- **Languages Known :** Malayalam, English