



# Arosha Fernando

AI & Data Science Undergraduate |  
Aspiring Machine Learning Engineer

## Contact

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## About Me

Motivated AI & Data Science undergraduate skilled in Python, Java, SQL, and Machine Learning. Passionate about data-driven solutions with strong teamwork and problem-solving abilities. Seeking an AI/ML or Data Science internship to apply and grow my skills.

## Skills

- Programming & Databases: Python, Java, SQL, HTML, CSS, JavaScript
- Machine Learning & AI: Data Preprocessing, Feature Engineering, Binary Classification, Model Evaluation
- Tools & Platforms: Git, GitHub, VS Code, Jupyter Notebook, JavaFX, Pandas, NumPy
- Soft Skills: Critical Thinking, Teamwork, Communication, Problem-Solving, Discipline, Time Management

## Education

- BSc (Hons) in Artificial Intelligence and Data Science
  - Informatics Institute of Technology (IIT) | Awarded by Robert Gordon University (RGU), UK 2024 – 2028
  - Relevant Modules: Programming Fundamentals, Computational Mathematics, Database Systems, Computer Systems Fundamentals, English Communication Skills, Data Structures and Algorithms for Artificial Intelligence, Web Technology, Object Oriented Development, Machine Learning, Advanced Mathematics for Data Science, Data Science Group Project, Artificial Intelligence, Simulation and Modelling Techniques, Data Engineering
- G.C.E Advanced Level – Physical Science Stream (2023)  
G.C.E Ordinary Level (2020)
  - St. Joseph's College, Colombo 10 2009 - 2024
  - A/L Results: Combined Maths (S), ICT (B), Physics (C), English (B)
  - O/L Results: Maths (A), English (A), Dancing (A), Roman Catholic (A), Science (B), History (B), ICT (C), Commerce (C), Sinhala (C)

## Projects

- MindScope – Dementia Risk Predictor  
Built a binary ML model using lifestyle & demographic data. Applied preprocessing, feature engineering, and hyperparameter tuning in Python (Pandas, Scikit-learn).
- Sweet-Piccolo – POS & Tax System  
Developed a Python CLI for sales/invoicing and a JavaFX GUI for tax validation with secure file handling and checksum verification. Used OOP, File I/O, JavaFX, Python.
- Bookify – Event Booking Platform  
Created a responsive event booking site with live search, filters, and authentication using HTML, CSS, JavaScript. Focused on UI/UX and front-end functionality.

## Clubs & Societies

- IEEE Student Branch – IIT (June 2024 – Present)  
Member of:
  - IEEE Robotics and Automation Society
  - IEEE Computational Intelligence Society
  - Actively participate in workshops, tech talks, and collaborative projects related to AI and automation.

## Certifications & Other Courses

- AI/ML Engineer – Stage 1 | SLIIT Faculty of Computing (July 2024)
- Python for Beginners | University of Moratuwa (July 2023)
- Diploma in Information Technology | Esoft Metro Campus (2023)
- Diploma in English | Esoft Metro Campus – Recognized as a High Achiever (2023)

## References

Mr. Janaka Jayasuriya

AGM Branch Banking, Sampath Bank PLC

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Mr. Sumie Gayaka Mithrapala

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