



# RUSHIKA DAVID JAYASINGHE

Computer Engineering Student focused on Data Engineering & Beyond

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[Rushika Jayasinghe | LinkedIn](#) Katunayake, Sri Lanka

## SUMMARY

A dedicated and curious learner with a solid foundation in programming and a deep appreciation for mathematics. Passionate about data engineering, yet always eager to explore new technologies, broaden my knowledge, and contribute innovative solutions through collaboration.

## KEY ACHIEVEMENTS

Current GPA = 3.6/4.0

2As & 1B in G.C.E A/L Physical Science Stream

## SKILLS

Programming & Scripting Languages

C++ · Python · Java

Data Engineering Skills

Azure Synapse Analytics ·

Azure Data Factory · Apache Spark ·

Power BI · SSIS · SSMS

Database Skills

SQL · T-SQL · SQL Server · Oracle DB ·

MySQL · Azure Dedicated SQL pools ·

Azure Blob Storage

AI & Data

Data Mining · Machine Learning · NLP ·

Computer Vision

Front End Skills

HTML · CSS · JavaScript · Streamlit · React

Core CS & Miscellaneous

Data Structures & Algorithms · OOP ·

Operating Systems · Computer Networks ·

Computer Security · Distributed Systems ·

Compilers · Advanced Algorithms

Other

Embedded Systems · Microcontrollers ·

Electronics · Git

## EDUCATION

Bachelor of the Science of Engineering Honours | 03/2021 - 07/2025  
B.Sc.Eng. (Hons), Computer Engineering

Faculty of Engineering, University of Sri Jayewardenepura

- Studying Data Management Minor

GPA | 3.6 / 4.0

Diploma in Information Technology 06/2020 - 11/2020  
ESOFT Metro Campus

Physical Science Stream, Maths 01/2006 - 08/2019

Maris Stella College Negombo

- 2As & 1B in 2019 G.C.E Advanced Level (Combined Maths, Chemistry & Physics)
- 9As in 2016 G.C.E Ordinary Level

## RELATED WORK EXPERIENCE



Associate Data Engineer

03/2025 - Present

Creative Software

Colombo, Sri Lanka

Primarily involved in building an on-premise data warehousing solution.

- Designing and maintaining ETL pipelines using on-premise data tools.
- Extracting, transforming, and integrating data from multiple database systems.
- Writing report logics & preparing dashboards in Power BI to support data-driven insights.
- Preparing high-quality, reliable data to support reporting and dashboard development.



Data Engineering Intern

04/2024 - 01/2025

Creative Software

Colombo, Sri Lanka

Contributed to developing a modern data platform using Azure Cloud services.

- Designed and optimized ETL pipelines with Azure Synapse Analytics, Python, and T-SQL to ensure data integrity and performance.
- Migrated legacy Java-based processes to Azure, enhancing scalability with cloud-native solutions.
- Created and automated reporting scripts to prepare data for Power BI dashboards.
- Documented ETL and migration workflows to support knowledge transfer and long-term maintainability.

<https://www.creativesoftware.com/>

## ADDITIONAL WORK EXPERIENCE

Teaching Assistant 10/2021 - 02/2022

Open Polytechnic of New Zealand

New Zealand · Remote

Prepared courses for Civil Engineering related topics (Fluid dynamics)

School Teaching Assistant

09/2019 - 10/2019

Maris Stella College Negombo

Sri Lanka · On-site

Taught Chemistry for Advanced Level students

## SKILLS

C++



Python




SQL



Java



## AWARDS

- **Finalist of RealHack 5.0 Inter University Hackathon - 2024**  
Got selected to the final 15 teams out of 300+ teams.
- **Finalist of RealHack 4.0 Inter University Hackathon - 2023**  
Got selected to the final 15 teams out of 270 teams.

## CERTIFICATION

- Oracle Cloud Infrastructure Gen AI**  
Oracle
- Problem Solving (Basic)**  
HackerRank
- Python (Basic)**  
HackerRank





## SOFT SKILLS

- Teamwork and Collaboration ·
- Continuous Learning · Attention to Detail ·
- Problem-Solving · Good Listener ·
- Logical Thinking · Technical Writing

## CLUBS/ SOCIETIES

- **CENSOC - Computer Engineering Society**  
Content Writer

## FIND ME

- **LinkedIn**  
<https://www.linkedin.com/in/rushika-david-jayasinghe-95170b1a3/>
- **GitHub**  
<https://github.com/Rushika08>
- **Medium**  
<https://medium.com/@rushikajayasinghe>
- **Portfolio**  
<https://rushika08.github.io/Portfolio/>

## REFERENCE

- Mr. Arudchayan Pirabakaran - Data & AI Engineer**  
+94712099432  
Arudchayan.P@CreativeSoftware.com
- Dr. Sampath Edirisinghe - Senior Lecturer, University of Sri Jayewardenepura**  
+94716239435  
essedirisinghe@sjp.ac.lk






## PROJECTS

- ScoreMe - Sports Scoring Solution** 02/2025 - Present
  - An all-in-one production level sports scoring and management application.
- Risk Management System - Data Analytics Tool** 03/2025 - Present
  - A SL government project focused on developing an on-premise data warehouse to enable analytics and support the creation of interactive dashboards.
- Modern Data Platform Development** 04/2024 - 02/2025
  - A project for an Insurance company focused on developing a modern data platform on Azure by migrating their existing legacy systems to improve scalability and data performance.
- Savorium - A Smart Recipe Application** 10/2024 - 01/2025
  - An intelligent cooking solution combining technology & culinary arts to create personalized recipes based on the consumer's taste, dietary needs, and available ingredients using advanced algorithms, content based recommendation systems and image recognition.
- Multi Vendor E-commerce web application** 06/2023 - 10/2023
  - Promoting waste recycling and reducing environmental pollution through a marketplace where residents and waste collectors can interact to sell and collect trash.
- Cyclops Eye** 01/2023 - 04/2023
  - A surveillance camera with facial recognition and detection along with a companion mobile application.

## TRAINING / COURSES

- Introduction to Programming with Python**  
Harvard University
- Complete Web Development Bootcamp**  
Udemy
- Introduction to Machine Learning**  
Kaggle
- Fundamentals of Machine Learning**  
Microsoft
- Fundamentals of Azure OpenAI Service**  
Microsoft
- Modern Robotics: Foundations of Robot Motion**  
Northwestern University
- Fundamentals of Facial Recognition**  
Microsoft

## MINI PROJECTS

- **Maze Puzzle Solver**  
Python | OpenCV | Streamlit
- **Web-Scraping and Automation Project**  
Python | Selenium
- **Employee Management Project**  
Java | MySQL
- **Rubik's Cube Game**  
Java
- **Task Manager Project**  
Python