

LURVISH POLODOO

UNDERGRADUATE COMPUTER SCIENCE STUDENT

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Detail-oriented undergraduate computer science student with a focus on data science and software development, refined through coursework and hands-on projects. Keen to support businesses leverage data-driven solutions to drive efficiency.

EDUCATION

BSc (Hons) Computer Science with AI, University of York (UK)

Sep 2023 - Jun 2026

Achieved a **First Class (1:1)** in 1st year and 2nd year

Modules includes: Computer Architecture, Data Structures, Machine Learning and Optimisation, Data Science

Leadership roles: **Department Representative, CS Department Representative, CS Ambassador, International Student Ambassador, Scholarship Ambassador, Stage 1 Course Representative**

Cambridge International Exams, Royal College Port Louis (Mauritius)

Jan 2014 - Jun 2021

'A' Levels: Mathematics (A*), Physics (A*), Computer Science (A*), French (a), General Paper (a)

'O' Levels: 8 A* (Aggregate 6)

EXPERIENCE

Data Analyst

, Student Union, University of York (York, United Kingdom)

Feb 2025 – Present

- Manages, cleans, and analyses datasets to extract insights that support decision-making.
- Develops interactive dashboards using **Google Looker** and **Apache Superset** to present key trends and business insights.
- Maintains **DAGs** to automate data retrieval and ingestion workflows into a **PostgreSQL** database using **Apache Airflow**.
- Work with teams to identify key business needs and translate complex data into actionable insights.

Software Developer Intern

, BDO IT Consulting Ltd (Port Louis, Mauritius)

Jul 2024 – Aug 2024

- Developed an internal tracking system using PHP and JavaScript, enabling the training team to efficiently manage courses, assign participants, and automate the generation of key reports (certificates and billing reports).
- Performed unit and integration testing to ensure the reliability and performance of software components, identifying and resolving issues efficiently.
- Created report templates in Report Builder and crafted stored procedures for application queries using SQL.
- Utilised GitHub for version control, smooth code management, team collaboration, and tracking of project changes.

Programming Tutor for Code in Place

, Stanford University (Remote)

Apr-Jun 2023, 2024 & 2025

- Guided a diverse group of 12 students in learning programming concepts and problem-solving skills using Python through the Code in Place online program.
- Demonstrated strong communication, and interpersonal skills in fostering a supportive community of learners passionate about programming.

SKILLS

Programming Languages

Python, JavaScript, PHP, Java, C++, R

Soft Skills

Teamwork, Leadership, Communication, Problem Solving, Adaptability

CERTIFICATIONS

Microsoft Azure AI Fundamentals (2023)

Microsoft

Deep Learning and Autonomous Systems (2023)

University of York

Google Data Analytics (2022)

Google (Coursera)

IBM Data Science Professional Certificate (2021)

IBM (Coursera)

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PROJECTS

Automated Pneumonia Detection From Chest X-ray Images Using Machine Learning

Jul 2023 - Oct 2023

, Horizon Academic Research Journal (Volume 4, No. 1)

Developed a model that achieved a high accuracy of 82% in pneumonia detection from chest X-rays by leveraging advanced deep-learning techniques. Beyond technical aspects, potential applications were highlighted and limitations of medical imaging were addressed. (As part of the Horizon Academic Research Program).

Space X Data Science Capstone Project

Oct 2021 - Nov 2021

, IBM Data Science Professional Certificate

Analysed the success of rocket launches at the different launch sites by utilising SpaceX datasets. Skills required **data wrangling**, **visualisation using SQL** and **Folium**, developing an analytics dashboard with **Plotly Dash**, and **predictive analysis** through classification tasks.

EXTRACURRICULAR ACTIVITIES

President of the Ashinaga UK Student Council

Jan 2025 - Present

Founder and President of the Mauritian Society (University of York)

Dec 2024 - Present

Captain of the Halifax College Badminton team (University of York)

Jun 2024 - Present

InovApp Challenge with the Mauritius Commercial Bank (MCB)

Jun 2023

Developed a finance tool for Small and Medium Enterprises (SMEs) to track their income and expenses with an A.I. cash flow prediction model. This competition included the pitching of our idea and the building of the tool using Java.

FIRST Global Robotics Competition (Dubai)

May - Oct 2019

Represented Mauritius as a coder and team captain for an international robotics competition in Dubai. My team and I built a robot on the theme of marine pollution.

SDGs Mobile Application Competition (Polytechnics Mauritius)

Nov 2019

Represented the Royal College of Port Louis at the Hackathon competition where my team and I developed a mobile application. Our app enabled users to easily access information about various Metro Express stops and explore different itineraries all over Mauritius.

ACHIEVEMENTS & AWARDS

- Highly Commended for Outstanding Contribution to Academic Experience (June 2025)
Recognised for impactful work as the Department Representative for Computer Science, enhancing academic experience and community engagement
- Winner of the Cyber Security Challenge with BAE Systems (2024)
- Awarded a **fully-funded scholarship** to study in the United Kingdom as part of the Ashinaga Africa Initiative (AAI) (2022)
- Ranked 9th at National Level in 'A' Level Computer Science in Mauritius (2021)
- Best Delegate and Best Delegation** at the Model United Nations (2019)

VOLUNTEERING

Supportive Mentor and Educator

Feb 2023 - Mar 2023

, Angel Special School and Welfare Association

Savanne, Mauritius

- Conducted research on assistive technology, exploring potential tools to enhance learning and overall development.
- Taught photography and smartphone editing, empowering the children to express creativity and develop hard skills.
- Orchestrated activities such as football to promote mobility and physical development.