

# Pasindu Mihikalpa



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Data science-focused ICT undergraduate with a strong passion for transforming raw data into actionable insights using Power BI, Python, and SQL. Possesses hands-on experience in predictive modelling and a solid foundation in software engineering to develop scalable, data-driven solutions. Actively pursuing continuous learning in Artificial Intelligence and seeking to contribute analytical expertise and leadership skills to an innovative, impact-driven organization.

## EDUCATION

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### Bachelor of Information and Communication Technology (BICT)

2022 – Present

- Uva Wellassa University of Sri Lanka
- Specializing in Business Intelligence

### National Diploma in Information and Communication Technology (NVQ Level 5)

2021 - 2022

- Vocational Training Authority (Bandarawela Branch)
- Focus: Software Technology & ICT Fundamentals
- Status: Successfully Completed (Awaiting Certificate)

### GCE Advanced Level

2021

- S. Thomas' College, Bandarawela
- Stream: Technology | Results: 2B, 1C

## PROJECTS

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### Financial P&L Statement Dashboard | Power BI, Advanced DAX

- Developing a dynamic Profit & Loss statement with custom row-level formatting to replicate standard financial reporting structures.
- Utilizing advanced DAX to calculate margins, operating profit, and YoY variance for precise financial tracking.

### Intelligent Book Recommender System | Python, Scikit-Learn - (*In progress*)

- Engineered a Machine Learning recommendation engine using Collaborative Filtering and K-Nearest Neighbors (KNN) algorithms to predict user preferences.
- Analysed user rating patterns from the Book-Crossing dataset to generate personalized reading suggestions, enhancing user discovery and engagement.

### Supply Chain & Inventory Optimization | Power BI, ABC Analysis

- Designing a logistics dashboard to optimize inventory turnover and track shipping delays across multiple regions.
- Implementing ABC Analysis logic to categorize inventory value, helping stakeholders prioritize high-value stock.

### University Nutrition & AI Meal Planner | MERN Stack

- Developed a full-stack nutrition tracking system allowing users to monitor health metrics and order customizable meals.
- Integrated AI-driven algorithms to analyse user history and provide personalized dietary recommendations.
- Technologies: React.js, Node.js, MongoDB, Docker.

## Personal Portfolio Website | React, Tailwind CSS

- Designed and deployed a responsive personal portfolio to showcase technical skills and resume.
- Features a fully functional contact form via EmailJS and automated deployment via GitHub Actions.

## TECHNICAL SKILLS

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- **Data Visualization & BI:** Microsoft Power BI, DAX, Power Query, Excel
- **Data Science & AI:** Python
- **Frontend Development:** React.js, Tailwind CSS
- **Backend Development:** Express.js, FastAPI
- **Databases:** SQL (Relational), NoSQL (MongoDB)
- **Tools & Version Control:** Git, GitHub
- **Soft Skills:** Critical Thinking, Strategic Planning, Business Communication (SLASSCOM Certified)

## LEADERSHIP & VOLUNTEERING EXPERIENCE

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### Leo Club of Uva Wellassa University *Member, Board of Directors*

**2024 – Present**

- **Joint Secretary (Leostic Year 2025/2026):** Managed official records, correspondence, and meeting minutes to ensure effective administrative communication as a key board member.
- **Project Chairperson – Melodic Mind (2025/2026):** Led a collaborative mental well-being project addressing academic stress through professional counselling and music therapy.
- **Editorial Crew Member (Leostic Year 2024/2025):** served on the board contributing to content strategy and maintaining the "LEO TIMES" newsletter.

### IEEE Uva Wellassa University Student Branch *Active Member & Committee Lead*

**2024 – Present**

- **Executive Committee – ByteBash Version 2:** Organized a monthly tech-talk series facilitating knowledge sharing on emerging technologies to strengthen student technical skills.
- **Organizing Committee – Volunteer Training Session:** Contributed to a leadership development initiative, preparing volunteers for effective community service through skill-building.

### Department of ICT, Uva Wellassa University *Project Chairperson*

**2024**

- **Project Chairperson – Akurata Rukulak:** Led an annual CSR initiative by ICT undergraduates supporting underprivileged schools in the Badulla district through educational and resource-based assistance.

## CERTIFICATIONS

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- **SLASSCOM Professional Skills Programme – Foundation Courses**  
(Focus: Corporate Readiness, Business Communication, and Strategic Thinking.)
- **Microsoft Certified: Power BI Data Analyst Associate (PL-300)** (*In Progress*)
- **GitHub Foundations** (*In Progress*)
- **MongoDB Associate Data Modeler** (*In Progress*)
- **Web Design for Beginners** – University of Moratuwa (Open Learning) - May 2025
- **Python for Beginners** – University of Moratuwa (Open Learning) – April 2024

## NON-RELATED REFEREES

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### U.W.H.K. Ukgoda

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### Mr. H. P. D. P. Pathirana

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