



VIBHU KALPITHA

BSc.(Hons) Information Technology Specialized
in Data Science



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vibhu kalpitha



vibhukalpitha (github)

PROFILE

Motivated and detail-oriented Information Technology undergraduate with a strong foundation in Python, data analytics, and machine learning. Skilled in leveraging large language models (LLMs), data preprocessing, feature engineering, and model evaluation to develop intelligent, data-driven solutions. Possess hands-on experience in full-stack web development using the MERN stack and Java technologies, with a solid understanding of database design and API integration. Adept at collaborating in team environments to build secure, scalable, and AI-powered systems. Passionate about applying data science and artificial intelligence to solve real-world challenges and currently seeking an internship opportunity in data science to gain practical industry experience.

EDUCATION

Bachelor of Science Honours in Information Technology Specialized in Data Science 2023 -Current
Sri Lanka Institute of Information Technology - SLIIT

Advanced Level - Physical Science Stream 2019 - 2022
Rahula college - Matara

Ordinary Level 2013 - 2019
Mahinda Rajapakse college Matara - 9 A's

PROJECTS

Predicting Viral Content On Social Media Aug 2025 – Oct 2025
https://github.com/vibhukalpitha/Predicting_Viral_content_on_Social_Media.git

Tech Stack: Python, LLMs

- Developed an AI-powered system that predicts the virality potential of social media videos using NLP and predictive modeling, providing actionable insights to help creators optimize video features for maximum engagement.

Product Launch Planner Aug 2025 – Oct 2025
<https://github.com/vibhukalpitha/Product-Launch-Planner-Y3.git>

Tech Stack: Python, LLMs

- Developed an AI-powered system that predicts the virality potential of social media videos using NLP and predictive modeling, offering actionable insights to help creators optimize video features for greater reach and engagement.

Agri Waste Management System Feb 2025 – June 2025
<https://github.com/nethal17/Agri-Waste-Marketplace>

Tech Stack: MERN (MongoDB, Express.js, React.js, Node.js)

- Designed and implemented a secure finance management module with integrated payment gateways, collaborating within a team to build a full-stack MERN application ensuring seamless data flow between frontend and backend.

Online Bidding System july 2024 – nov 2024

Tech Stack: Java, MySQL, JSP/Servlets

- Developed a web-based real-time bidding platform with a complete user management module, including registration, authentication, and role-based access control, enabling secure item listing, live bidding, and dynamic updates.

Online Home and Land Selling Website Feb 2024 – June 2024

Tech Stack: HTML, CSS, JavaScript, PHP, MySQL

- Developed a home selling module enabling users to post property listings with images and details, incorporating search and filtering features for location, price, and property type.

CERTIFICATIONS

Machine Learning with Python: Foundations (<https://www.linkedin.com/posts/vibhu-kalpitha>)

- **Skills Covered:** Machine Learning , Python

NumPy Data Science Essential Training (<https://www.linkedin.com/posts/vibhu-kalpitha>)

- **Skills Covered:** Numpy

Python Essential Training (<https://www.linkedin.com/posts/vibhu-kalpitha>)

- **Skills Covered:** Python

Highly Available Web Applications course from AWS Training & Certification (<https://www.linkedin.com/posts/vibhu-kalpitha>)

- **Skills Covered:** Highly Available Web Applications

Auto-Healing and Scaling Applications course from AWS (<https://www.linkedin.com/posts/vibhu-kalpitha>)

- **Skills Covered:** Auto-Healing and Scaling Applications

Add and size disks in Azure virtual machines course offered by Microsoft. (<https://www.linkedin.com/posts/vibhu-kalpitha>)

- **Skills Covered:** [Add and size disks](#)

Configure Virtual Network (<https://www.linkedin.com/posts/vibhu-kalpitha>)

- **Skills Covered:** Configure Virtual Network

AWS SimuLearn Computing Solutions (<https://www.linkedin.com/posts/vibhu-kalpitha>)

- **Skills Covered:** Computing Solutions

Configure virtual machine availability (<https://www.linkedin.com/posts/vibhu-kalpitha>)

- **Skills Covered:** configure virtual machine availability

Improve application scalability and resiliency by using Azure Load Balancer (<https://www.linkedin.com/posts/vibhu-kalpitha>)

- **Skills Covered:** using Azure Load Balancer

Introduction to Amazon Simple Storage Service (S3) (<https://www.linkedin.com/posts/vibhu-kalpitha>)

- **Skills Covered:** Amazon Simple Storage Service

File Systems in the Cloud course, awarded by AWS Training (<https://www.linkedin.com/posts/vibhu-kalpitha>)

- **Skills Covered:** File Systems in the Cloud course

Configure Azure Blob Storage (<https://www.linkedin.com/posts/vibhu-kalpitha>)

- **Skills Covered:** Azure Blob Storage

Connecting VPCs training as part of the AWS (<https://www.linkedin.com/posts/vibhu-kalpitha>)

- **Skills Covered:** VPCs

AWS SimuLearn Networking Concepts (<https://www.linkedin.com/posts/vibhu-kalpitha>)

- **Skills Covered:** [Networking Concepts](#)

LANGUAGES

Sinhala	-	Native
English	-	Professional Working Proficiency

SKILLS

• Python	• Tailwind CSS
• Github / Git	• HTML
• Java	• MySQL
• JavaScript	• PHP
• Mongoose	• Illustrator
• React	• Streamlit
• Node js	

REFERENCES

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