Lakshith Nishshanke

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github.com/lakshith-403| lakshith-403.github.io

Passionate and motivated professional with an ability to quickly learn new skills and technologies. With experience contributing to creating and maintaining stable and efficient mobile/web applications and AI/ML related projects, constantly expanding my knowledge and expertise.

Education

University of Colombo, School of Computing, BSc in Computer Science Undergraduate   May 2023 – May 2026
- GPA: 3.68/4.0

Experience

Fullstack Developer, Labml.ai (Website)   March 2022 – December 2022
- Helped manage the UI for a machine learning academic web app.
- Assisted in creating a web app for testing and fine-tuning large language models.

iOS Developer, Labml.ai (Website)   December 2022 – April 2023
- Started development of an AI Image generating (stable diffusion inferencing) application.
- Developed precise and stable WebSocket connections with failure handling mechanisms
- Implemented an advanced UI with user interactions such as drawings
- Converted the machine learning academic web app to an iOS app implemented with Swiftui

Part time Developer, Labml.ai (Website)   August 2022 – Jan 2025
- Maintaining and improving an open source Machine Learning Experiment Tracker.
- Started development of an open source Visualization Library, primarily focused on Large Language Models.
- Contributing to nn.labml.ai (Collection of annotated ML research papers) - Wrote a GPT2 model in pytorch to annotate the Low Rank Adaptation Paper

Part time Developer, Linfield Labs (Website)   Feb 2025 – Present
- Figuring out how to use LLM + agentic advancements in DevOps.
- Developed a Github action to analyze diffs of Infrastructure as code files in pull requests and estimate the costs automatically.

Technologies

Languages: Python, JavaScript/ TypeScript, C/C++, Java and Swift

Frameworks: ReactJS, Django, Fast api, Express (MERN Stack) and SwiftUI

AI/ML: PyTorch

Accomplishments

IEEExtreme
- IEEExtreme 18.0   1st University, 2nd Sri Lanka, 75 World
- IEEExtreme 17.0   1st University, 4th Sri Lanka, 152 World

Google Competitions
- Kickstart Round B - May 2022   2nd Sri Lanka - 1202 World
- Kickstart Round A - May 2022   2nd Sri Lanka - 1974 World

- Hashcode 2022 - March 2022   12th Sri Lanka - 1211 World
- Hashcode 2021 - June 2021   4th Sri Lanka - 1800 World

Informatics Olympiad

- International Olympiad in Informatics (2019, 2020, 2021)   National Delegation
- Asia Pacific Informatics Olympiad (2020)   Top Scorer - Sri Lanka
- National Olympiad in Informatics (2019, 2020, 2021)   2 Silver - 1 Bronze

Misc.

- IESL Robogames (National inter-school robotics competition   Winner
  organized by Institution of Engineers, Sri Lanka) - 2022
- Aces Coders V10.0 (Largest National inter-university competitive   Winner
  coding competition organized by University of Peradeniya) - 2022

Volunteeting

- Trainer for the National team - Olympiad in Informatics   2022-present
- Scientific Committee Member - Olympiad in Informatics   2022-present
- Problem setter and tester - National School Software Competition,   2023 and 2024
  Final round.
- Contributing to University events from IEEE, ACM student chapter
  and CSSL (The Computer Society of Sri Lanka).

Interests

I'm a coffee-loving fan of Harry Potter and Middle-earth. I appreciate a good cup of coffee, but I'm proud to say I don't need it to function. I'm a certified music addict and have been known to get lost in a good tune or two. (This does sound AI generated but I promise it's true)