KEA HARVAN SUYANTO

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ADDITIONAL INFORMATION

- Upcoming Data Scientist / ML Engineer Intern at Starhub, Singapore

EDUCATION

National University of Singapore   **Aug 2023 - Present**
Bachelor of Computing in Computer Science

- Specialising in Artificial Intelligence and Database Systems, with an interest in Software Engineering and Operating Systems
- (Predicted) minor in Entrepreneurship

Singapore Management University   **Aug 2022 - Jun 2023**
Bachelor of Business Management

- Dean's Lister for the Lee Kong Chian School of Business for Academic Year 22/23
- Specialising in Digital Businesses

TECHNICAL SKILLS

- Programming Languages: Proficient in Java, Python, Javascript, SQL, Bash
- Tools and Frameworks: React, Express.js, Node.js, MongoDB, Git, PostgreSQL, PyTorch, Numpy, OpenCV

WORK EXPERIENCE

Lab Tutor, National University of Singapore, Singapore   **Jan 2025 - Present**

- Conducted weekly 2-hour learning sessions for 30+ students on the Java programming language, focusing on programming paradigms such as Object Oriented Programming and Functional Programming
- Taught students programming basics using Vim in an Ubuntu environment. Assessed students using bash scripts, grading over 150 assignments

AI Engineer Intern, PT. ADI CITRA SAKTI, Semarang   **Dec 2024 - Jan 2025**

- Trained a facial recognition model capable of handling multiple input video streams leveraging OpenCV, attaining a 40% increase in precision through hyperparameter tuning, image augmentation, and dataset preparation
- Implemented an internal performance benchmarking tool for a multi-classification model using a confusion matrix, streamlining training and testing

PROJECTS

Independent Developer, Personal Website, Singapore   **Jan 2024 - Feb 2025**

- Designed a frontend website employing Figma, creating detailed wireframes
- Built said website with React and TailwindCSS, while studying Typescript

Independent Developer, Connect 4 AI Agent, Singapore   **Oct 2024 - Nov 2024**

- Utilized an alpha-beta pruning with depth cut-off minimax algorithm to attain a 68th percentile ranking in a competition featuring multiple agents from other NUS students
- Enhanced an existing Connect 4 heuristic to jump 30 percentiles from initial submission until competition

Full-Stack Developer, ReVerb, Singapore   **May 2024 - Aug 2024**

- Built and deployed a web application to educate and motivate musicians of all levels utilising React, Express, NodeJs and MongoDB utilising Git and Github for version control, accomplishing the Advanced level of achievement for the Orbital program
- Developed a quizzing platform leveraging React hooks, with stepped lesson plans tailored to users' skill levels capable of sound generation and a Duolingo-esque hearts system to discourage brute forcing, achieving 80% improved learning outcomes among reviewers

VOLUNTEER EXPERIENCE

Honorary General Secretary, Espressivo III x AphasiaSG, Singapore   **Apr 2023 - Aug 2023**

- Optimized hour allocation for 20+ volunteers with linear programming in Microsoft Excel, ensuring each member could achieve 80 hours of service within a given timeframe
- Facilitated group activities educating 20+ volunteers on Aphasia and how to conduct proper service