

FANNISA FAHMI

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EDUCATION

Singapore University of Technology and Design (SUTD)

Bachelor's degree in Engineering (Engineering System and Design), CGPA 3.73 / 5.0

Singapore
Sep 21 to Present

- Specialising in Business Analytics and Operations Research, Supply Chain and Logistics
- Expected graduation date in May 2025

Nanyang Technological University (NTU)

Summer Program

Singapore
July 22

- Completed 2 courses: CS2400 – Foundation of Info Analytics and EE4483 – Artificial Intelligence and Data Mining

WORK EXPERIENCES

Digital Place Ventures Pte. Ltd.

Internship, Research and Development

Singapore
Aug 23 to Dec 23

- Supported the team by actively enhancing codebase, addressing bugs, optimising functions, and implementing feature updates.
- Leveraged machine learning models to refine supermarket inventory optimization system for accurate forecasting.
- Conducted in-depth data analysis and produced visualizations to assess and enhance model performance, using Python and its Matplotlib library for precise, comparative analysis.
- Leveraged Google Cloud for VM access and team repository management, JIRA and Confluence for task coordination.

PT. Indonesian Cloud, Cloud Computing Service Provider

Internship/Apprenticeship, Social Media Analytics

Jakarta, Indonesia
Dec 22 to Jan 23

- Compiled and analyzed data using company dashboarding tools to create accurate social media reports, focusing on sentiment analysis, demographic insights, and issue identification.
- Presented findings through PowerPoint and Excel to business stakeholders and public figures, delivering actionable insights for strategic decision-making.

ORGANISATIONAL AND CO-CURRICULAR ACTIVITIES

Secretary – SUTD Mechanical Designer Club

Feb 23 to Feb 24

- Manage the club's record and membership registry and supported CAD design modelling workshops and events.

Volunteer – Uni-Y Singapore, Y Craft it!

Jul 23 to Nov 23

- Engaged in volunteer activities through arts and crafts with intentional mentoring to nurture young children.

Secretary – Wardaya Toastmasters Club

Jan 19 to Nov 21

- Planned and executed various toastmasters' meetings and events, particularly speech contests.

ACADEMIC PROJECTS

Investment Portfolio Simulation

Mar 24 to April 24

- Worked with a team to develop an interactive investment simulation tool to teach strategy creation through adaptive simulations for various risk profiles, asset allocations, and market conditions.
- Engineered front and backend using HTML, JavaScript, and Bootstrap, also contributing to project conceptualization.

Image Segmentation using Gaussian Mixture Model

Mar 24 to April 24

- Leveraged machine learning with Gaussian Mixture Model (GMM) for precise image segmentation; utilized EM algorithm and GrabCut method for effective background subtraction and foreground extraction.

RShiny Game Development Project: Housing Hustlers!

May 23 to Aug 23

- Developed an RShiny game with a team on strategic resource management for urban planning, simulating HDB and office development in Singapore to address land scarcity through in-game construction and leasing timelines.
- Led and developed the front-end design of game interface using RShiny and CSS, integrating SQL for efficient user profile management and game progress tracking.

Sales Analytics and Forecasting Dashboard – with TSH Synergy PTE. LTD.

Jan 23 to Apr 23

- Collaborated with a team to create a sales visualization dashboard, encompassing a forecasting model utilizing R, prominent metrics, and a drill-down feature for in-depth data analysis to accurately track monthly performance.
- Implemented backend development and data visualization by creating a centralized dashboard using Highcharts Js, Python, HTML, and the Flask web framework.

ADDITIONAL INFORMATION

- Technical Skills: Python, pandas, TensorFlow, SQL, R, RShiny, HTML, Microsoft Office (Excel, Word, PowerPoint), Julia, Highcharts Js, Power BI, Google Cloud Platform, Snowflake, Git
- Languages: Fluent in Indonesian (Native Proficiency) and English (Native/Bilingual Proficiency; IELTS 7.5)