

MIRAH INDIRA WARDHANA

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OVERVIEW

Detail-oriented and motivated Information Technology graduate with practical experience in software development, data management, and introductory machine learning projects. Gained exposure through academic work, organizations, bootcamps, and internships, developing adaptability, analytical thinking, and collaborative skills. Holds a solid foundation in computer science, data science, and programming, with working knowledge of Python, SQL, Excel, Tableau, and AI-assisted automation. Enthusiastic about applying technology to solve real-world problems and committed to continuous learning and professional growth.

EDUCATION

Udayana University (Bachelor's Degree)

July 2021–July 2025

Major in Information Technology with data science concentration, studying computer science, software development, statistics, data analytics and visualization, machine learning, computer vision, software testing, graphic design, etc (cumulative GPA: 3.82).

EXPERIENCE

Data Entry at CushCush Gallery

October 2025–January 2026

- Input and update delivery order data, material dispatch, and incoming materials into the system.
- Prepared expenditure calculation reports for projects using Excel.
- Developed scripts to generate per-item summaries for each project streamline data validation, cleaning, and formatting, improving accuracy and reducing manual workload.
- Automated data entry and processing tasks, completing a 3-month backlog within 1 month.
- Assisted other department to create the company's employee time & attendance report and consignment sales report.

Research and Content Writer at a Startup Company (Remote)

August 2025–October 2025

- Conducted research and analysis on the functionality and content for the game.
- Created automation to generate data using ChatGPT API.
- Created SQL queries to insert, update, or delete data using Python and Spreadsheet.
- Presented the results to the supervisors and investor.
- Tested the application and performed data entry automation using Selenium.

Intern at BPJS Ketenagakerjaan Badung

April 2025–June 2025

- Entered, updated, and verified data against source documents to ensure accuracy and integrity.
- Created dashboard for reporting the statistics on labor social security data using Tableau.
- Created scheduling and creating promotional posters for online meetings.
- Assisted other employees in performing IT automation in some tasks.
- Contacted several companies by phone to follow up on information related to social security membership.

ORGANIZATION AND VOLUNTEERING

Database Conceptual Practicum Assistant

March 2024–August 2024

- Supervised and guided group of 6 students in completing assignments.
- Assisted students in creating database schema for case study such as marketplace, ticket reservation, pharmacy, etc and implement the schema into MySQL database.
- Assessed students understanding in SQL database.

Machine Learning Cohort at Bangkit Academy by Google

August 2023–January 2024

- Machine Learning learning path cohort, studying data science and machine learning (average course grade: 91.4%).
- Working on a group capstone project of creating an image classification.

Coordinator of Fundraising Division at Pilmapres TI 2022

August 2022–October 2022

- Managing the procurement of goods and the assignment of tasks to members.
- Generating sales profits of up to 4 million within 3 months.

Other Extracurricular Activities

CERTIFICATION

Google: Crash Course on Python [🔗](#); Foundations: Data, Data, Everywhere [🔗](#); Introduction to Git and GitHub [🔗](#); Using Python to Interact with the Operating System [🔗](#)

DeepLearning.AI: Advanced Deployment Scenarios with TensorFlow [🔗](#); Advanced Learning Algorithms [🔗](#); Browser-based Models with TensorFlow.js [🔗](#); Calculus for Machine Learning and Data Science [🔗](#); Convolutional Neural Networks in TensorFlow [🔗](#); Data Pipelines with TensorFlow Data Services [🔗](#); Device-based Models with TensorFlow Lite [🔗](#); Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning [🔗](#); Linear Algebra for Machine Learning and Data Science [🔗](#); Natural Language Processing in TensorFlow [🔗](#); Probability & Statistics for Machine Learning & Data Science [🔗](#); Sequences, Time Series and Prediction [🔗](#); Structuring Machine Learning Projects [🔗](#); Supervised Machine Learning: Regression and Classification [🔗](#); Machine Learning (Specialization) [🔗](#); Unsupervised Learning, Recommenders, Reinforcement Learning [🔗](#)

SKILL

Programming & Development: Python, Java, SQL, HTML, CSS, JavaScript, PHP, Git, ChatGPT API, Selenium, Django, React.

Data Science & Analytics: Data Cleaning, Data Visualization, Statistical Analysis, Machine Learning, Data Automation

Tools & Platforms: Microsoft Office, Google Workspace, Excel, Tableau, TensorFlow, Google Colab, Jupyter Notebook, MySQL, Cursor, VS Code, Github, Selenium, etc.

Other: Problem-Solving, Analytical Thinking, Adaptability, Communication, Team Collaboration

LANGUAGE

Indonesian : Native

English : Intermediate (TOEFL ITP 613) [🔗](#)

SOCIAL MEDIA

[📷 instagram.com/mirwards/](https://www.instagram.com/mirwards/)

[🐙 github.com/MirahWardhana](https://github.com/MirahWardhana)

[🌐 linkedin.com/in/mirah-wardhana-2b7a86341/](https://www.linkedin.com/in/mirah-wardhana-2b7a86341/)

PROJECT

December 2024 Social Security Statistics of BPJS Ketenagakerjaan Badung [🔗](#)

- Statistical Visualization of the Number of Workers Covered by BPJS Employment in Villages Across Badung Regency. Includes Statistics on Scholarship Recipients, Old-Age Security (JHT), Work Accident Insurance (JKK), Death Benefits (JKM), Job Loss Insurance (JKP), and Pension Benefits (JP).

Perfume Recommendation System [🔗](#)

- Developed a thesis project utilizing Python, JavaScript, and the Django Framework to perform data scraping, preprocessing, model development, and deployment of a web-based perfume recommender system.

Real-Time Circle's Diameter Detector [🔗](#)

- Using Hough Transform and ArUco to find the diameter size of the detected circle.

Web Based Music Album Recommender System and Visualization [🔗](#)

- Group project using Python, JavaScript, and Django Framework to scrape and preprocess data, create content-based and collaborative filtering recommender system.

Next-Word Prediction with LSTM, BiLSTM, BERT, and GPT [🔗](#)

- Group project of creating a web based sentence autofill program using finetuned NLP models on Django framework for integration.

Website for Medewi Tourism Village [🔗](#)

- Creating a website interface to promote Medewi tourist village.

Information System for BumDes Medewi

- Developing a web-based information system to market products in BumDes using PHP.