

Aufar Tirta Firdaus
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EDUCATION

Karolinska Institutet & Stockholm University Joint Master's Degree in Health Informatics	Stockholm, Sweden Aug 2022 – Current
Gadjah Mada University Doctor of Medicine GPA: 3.61 Bachelor of Medicine GPA: 3.14	Yogyakarta, Indonesia Jul 2017 – Jul 2019 Aug 2013 – May 2017

PROJECTS

Predicting Hepatitis-C Patients with Machine Learning Algorithms <i>Personal Project</i> <ul style="list-style-type: none">Implemented and trained four machine learning models - Logistic Regression, Random Forest, Gradient Boosting, and Support Vector Machine on 615 patient dataEvaluated models on accuracy, AUC-ROC, AUC-PRCObtained accuracy of 93.5% obtained from Gradient Boosting model	Stockholm, Sweden Oct 2023 – Dec 2023
World Happiness Report 2021 Dashboard <i>Personal Project</i> <ul style="list-style-type: none">Designed interactive Tableau dashboards to visualize the World Happiness Report 2021Created charts and graphs to analyze trends and patterns behind differential happiness scores globallyProvided correlations between six contributing factors explaining variation in subjective well-being	Stockholm, Sweden Sep 2023 – Oct 2023
Exploratory Data Analysis on Cleveland Heart Disease Dataset <i>Personal Project</i> <ul style="list-style-type: none">Executed initial data cleaning and preprocessing to handle missing values of 303 patient dataDerived summary statistics - means, standard deviations and value countsPerformed exploratory data analysis using Python libraries: Pandas, Matplotlib, and Seaborn to compile a professional report	Stockholm, Sweden Aug 2023 – Sep 2023

WORK EXPERIENCE

Gadjah Mada University Data Science Lab Assistant <ul style="list-style-type: none">Develops comprehensive learning resources to facilitate students' understanding of data science conceptsConducts online tutorials and seminars to guide students through data analysis projectCollaborates with instructors to enhance the effectiveness of data science courses and curricula	Remote Oct 2023 – Current
Dr. Sardjito Central General Hospital Research Assistant – Ophthalmology Department <ul style="list-style-type: none">Co-author in a published research paper: Quality of Eye Health Service in Teaching Ophthalmology Clinic of Tertiary Referral Hospital (Dove Medical Press)Collaborated with a multidisciplinary team to design, conduct, and analyze research studies.Gathered and analyzed 300+ data on patient care, clinical procedures, and service quality in the ophthalmology clinic, resulting in a 27% improvement in patient satisfaction.	Yogyakarta, Indonesia Sep 2019 – Jul 2022
Yogyakarta General Hospital Medical Doctor <ul style="list-style-type: none">Collaborated with an interdisciplinary team to develop care plans and optimize treatment protocolsManaged 20+ emergency patients weekly as a first responder in the emergency unitCollected 100+ COVID-19 patients' medical data for pandemic management	Yogyakarta, Indonesia Dec 2019 – Sep 2020

SKILLS & INTEREST

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| • Python | • GitHub |
| • SQL | • Project Management |
| • Tableau | • Research |
| • Ms Excel | • Photography (professional) |

LANGUAGES

- English (professional)
- Indonesian (native)
- Swedish (basic)