

SUMMARY

My academic journey has been strongly focused on data, a field I have passionately explored for nearly three years. This includes working on various academic projects and completing numerous courses in data field, as evidenced by my certifications. I believe that the integration of mathematics, IT, and business, which is a Data Science & Analytics, positions me to make significant impacts in decision-making processes, especially in the industry field. This passion for data has driven me to seriously pursue this field, with the hope of making meaningful and impactful contributions using my skills and knowledge.

SKILLS

- **Data Analysis & Machine Learning:** Python with libraries like SciPy, Pandas, Matplotlib, Scikit-Learn, TensorFlow, Keras.
- **Computer Vision:** OpenCV, YOLO, Supervision, MediaPipe, MTCNN, DeepFace.
- **DevOps:** Flask, Docker, Docker Compose, Nginx, Certbot.
- **Data Management & Querying:** Excel, Google BigQuery, MySQL, PostgreSQL.
- **Data Visualization & BI Tools:** Tableau, Looker Studio, Excel PowerQuery.

EXPERIENCES

<b>AI Engineer   Wide Technologies Indonesia</b> · Full-time	<b>Mar 2024–Present</b>
<ul style="list-style-type: none"><li>• <b>AI &amp; ML Development:</b> Built end-to-end AI and ML models in computer vision, LLM, and NLP, covering business understanding, data gathering, preprocessing, training, and deployment.</li><li>• <b>AR &amp; AI POC:</b> Developed Augmented Reality combined with Artificial Intelligence features in a POC web app with Postgres, HTML, CSS, JS, REST API, Python and Flask, deployed on Ubuntu server (VPS) with domain configuration.</li><li>• <b>Data Analytics:</b> Created dashboards in Looker Studio, connecting Postgres server to Looker and embedding dashboards in HTML using iframes.</li></ul>	
<b>iOS Developer   Apple Developer Academy</b> · Internship	<b>Mar 2023–Dec 2023</b>
<ul style="list-style-type: none"><li>• <b>Machine Learning and Data Handling:</b> Utilized Create ML for building machine learning models, gaining experience in predictive analytics, a core aspect of data science.</li><li>• <b>Data Integration:</b> Developed skills in integrating data using APIs and databases, crucial for data collection and analysis in data analytics roles.</li></ul>	
<b>Data Analyst (Marketing Analyst)   GRAB Indonesia</b> · Internship	<b>Agt 2022–Dec 2022</b>
<ul style="list-style-type: none"><li>• <b>Data Analysis &amp; Reporting:</b> Conducted in-depth analyses of campaign data using Python to track and report on KPIs, enhancing understanding of click-through and conversion rates.</li><li>• <b>Trend Analysis:</b> Identified patterns and trends in campaign performance, applying statistical analysis to inform and optimize marketing strategy for future campaigns.</li></ul>	
<b>Data Analyst (Marketing Analyst)   PT Visionet Internasional (OVO)</b> · Internship	<b>June 2022–Dec 2022</b>
<ul style="list-style-type: none"><li>• <b>Data Collection &amp; Analysis:</b> Utilized SQL, Excel, and Google BigQuery to gather and analyze marketing data, providing actionable insights to support business marketing decisions.</li><li>• <b>Data Visualization:</b> Developed a comprehensive campaign dashboard using Tableau and Google Looker Studio, enabling the marketing team to visualize key metrics and drive data-driven decisions.</li></ul>	
<b>Data Sciences Laboratory Assistant   Department of Mathematics, Universitas Indonesia</b> · Part-time	<b>Sep 2021–May 2022</b>
<ul style="list-style-type: none"><li>• <b>Programming Education:</b> Instructed 150+ students in the use of Python for data analysis, emphasizing algorithmic thinking and numerical methods relevant to data science.</li><li>• <b>Analytical Skill Development:</b> Guided students through practical applications of statistical and mathematical theories, preparing them with foundational skills for data analytics.</li></ul>	

EDUCATION

<ul style="list-style-type: none"><li>• <b>UNIVERSITAS INDONESIA</b> <b>B.Sc. in Mathematics (Specialization: Data Sciences)   Summa Cum Laude</b> Emphasized Data Analysis, Machine Learning, Deep Learning, and Bioinformatics.</li></ul>	<b>2020-2023</b> <b>Cumulative GPA: 3.91/4.00</b>
<ul style="list-style-type: none"><li>• <b>BANGKIT ACADEMY led by Google, Tokopedia, Gojek, &amp; Traveloka</b> <b>Cloud Computing   Distinction Graduate (Best Graduate)</b> Focused on Cloud Engineering, Data Engineering, Google Cloud Platform, and implemented RESTful APIs for efficient data management.</li></ul>	<b>Feb 2023-July 2023</b> <b>Final Score: 95.16/100</b>

PROJECTS

<ul style="list-style-type: none"><li>• <b>Exploring Biological Age Models Prediction with Clinical Biomarkers using Support Vector Regression and Klemera-and-Doubal Method</b></li></ul>	<b>2023</b>
<p>Used Support Vector Regression and Klemera-and-Doubal Method for biological age modeling from clinical biomarkers. Conducted multicollinearity and feature selection analyses, evaluating model performance with RMSE and R-squared metrics. Supported by PUTI Q1 Research Grant, Universitas Indonesia. This work received support from the PUTI Q1 Research Grant 2023 provided by Universitas Indonesia.</p> <p><b>Keywords:</b> Statistical Method, Machine Learning, Supervised Learning, Unsupervised Learning</p> <p><b>Publication:</b> <a href="https://ieeexplore.ieee.org/document/10382096">https://ieeexplore.ieee.org/document/10382096</a></p>	
<ul style="list-style-type: none"><li>• <b>Detecting Retinopathy of Prematurity Disease in Premature Baby Based on Fundus Image Data with CNN Model using VGG19's Architecture</b></li></ul>	<b>2022</b>
<p>Developed a CNN model using VGG19 architecture to classify retinopathy in fundus images, achieving 98% accuracy. Managed data augmentation, classification, and preprocessing tasks.</p> <p><b>Keywords:</b> Image Classification, Deep Learning, Convolutional Neural Network, VGG-19 Architecture</p> <p><b>Repository:</b> <a href="https://github.com/angelpatriciads/retinopathy-classification-cnn">https://github.com/angelpatriciads/retinopathy-classification-cnn</a></p>	
<ul style="list-style-type: none"><li>• <b>Credit Submission Detectors using Logistic Regression, Support Vector Machines, and Decision Tree</b></li></ul>	<b>2022</b>
<p>Created and evaluated models using Logistic Regression, SVM, and Decision Trees to detect credit submission risks, attaining a 94% F1-score. Performed data cleaning and exploratory data analysis for feature selection.</p> <p><b>Keywords:</b> Classification, Supervised Learning, Logistic Regression, Support Vector Machines, Decision Tree</p> <p><b>Repository:</b> <a href="https://github.com/angelpatriciads/credit-card-risk-classification">https://github.com/angelpatriciads/credit-card-risk-classification</a></p>	

AWARDS AND HONORS

• <b>1<sup>st</sup> Winner in Bangkit Elevator Pitch</b>   Bangkit Academy 2023 led by Google, Tokopedia, Gojek, & Traveloka	<b>2023</b>
• <b>2<sup>nd</sup> Winner in Business Case Competition</b>   StudentsxCEOs 11th Grand Summit x Paragon Technology and Innovation	<b>2022</b>
• <b>1<sup>st</sup> Runner-up in Management Competition</b>   Management Competition 2022, Universitas Atma Jaya Yogyakarta	<b>2022</b>