

Raihan Fathurrahman

+62-822-8984-3501 | raihanfathurrahman.rft@gmail.com | github.com/raihanfr21 | linkedin.com/in/raihanfth

SUMMARY

Bachelor of Computer Science from Muhammadiyah Riau University, with a Fullstack Developer role. I have a strong interest in web development, data science, and cloud computing. Currently, i'm participating in an internship at PT Pertamina Hulu Rokan (PHR) in the Drilling Engineering HO division, where I'm learning about digitalization and technical data management in the energy industry. I am an output-oriented person, quick to adapt, and have a high enthusiasm for learning new technologies. Currently, I am focused on developing a career in information technology and data analysis, with the aim of contributing through effective and impactful digital solutions.

EDUCATION

MUHAMMADIYAH RIAU UNIVERSITY

Computer Science Pekanbaru
Oct 2021 – Jan 2025
Major in Informatics Engineering; Cumulative GPA: 3.84/4.0; Graduated in 3.5 years.
Relevant Coursework: Algorithms; Cloud Computing; Deep Learning; Web Programming; Framework Programming.

EXPERIENCE

DIGITALIZATION – DRILLING WELL INTERVENTION

PT Pertamina Hulu Rokan [Internship Fresh Graduate Trainee] Pekanbaru
Aug 2025 – now

- Supported the drilling engineering team by digitalizing and validating operational data through systematic querying, preprocessing, and consolidation—ensuring reliable, structured inputs for engineering analysis and reporting.

BANGKIT ACADEMY 2024 BY GOOGLE, GOTO, TRAVELOKA – MSIB KAMPUS MERDEKA PROGRAM

Cloud Computing Cohort Jakarta - Remote
Feb 2024 – June 2024

- Take an intensive 900+ hour program focused on mastering Cloud Computing with Google Cloud Platform (GCP) services such as Compute Engine, App Engine, Cloud Functions, and Cloud Storage.
- Understand the concepts of DevOps, CI/CD, and efficient cloud infrastructure management.
- Improve soft skills such as problem solving, communication, and team collaboration through industry training and mentoring sessions.

NON-FORMAL SUPPORT STAFF

Office of Jon Erizal — Member of Commission VI, Indonesian House of Representatives 2019–2024 Pekanbaru
Sep 2021 – Feb 2024

- Assisted in organizing constituency visits (*reses*) and community outreach initiatives
- Managed social media content by creating posts, updating event activities, and ensuring consistent communication with constituents.
- Provided documentation through photography and videography, and assisted with basic administrative needs.
- Coordinated with local communities and stakeholders during field activities.

LECTURER ASSISTANT

Pengolahan Citra Digital Course Pekanbaru
Jan 2024 – Jan 2024

- Assisted the lecturer in delivering course content on digital image processing, covering fundamental concepts and image processing techniques.
- Supervised laboratory sessions and guided students in implementing image processing algorithms using relevant programming tools.

PROJECTS

STICK CHARTS AUTOMATION SYSTEM

Internship Project – PT Pertamina Hulu Rokan Sep 2025 – Nov 2025

- Developed an integrated automation and visualization system for oil & gas well data, enabling dynamic parsing of casing summary, automated classification of wellbore types, and real-time stick chart generation.
- The project features a user-friendly filtering interface for well selection, streamlining reporting and accelerating decision making in upstream operations.
- Enhanced efficiency and reduced repetitive manual work for drilling engineers.

LONG SHORT-TERM MEMORY FOR FRESH FRUIT BUNCH PRICE FORECASTING

Final Project Sep 2024 – Jan 2025

- Designed and developed a time series forecasting model to predict Fresh Fruit Bunch prices in Riau Province using the LSTM algorithm based on 10 years of weekly data (2014–2024) as a final project (Skripsi).
- Performed data preprocessing including noise reduction, feature selection and data splitting with 2024 reserved for testing to simulate real-world forecasting.
- Demonstrated the model’s capability to capture temporal patterns and provide decision-support insights for stakeholders in the palm oil industry, particularly in Riau Province, Indonesia.

TRANSFER LEARNING APPROACH FOR EYE DISEASE CLASSIFICATION USING IMAGES WITH CNN-INCEPTIONV3

Research Project Dec 2024 – Jan 2025

- Developed a deep learning model for eye disease classification using transfer learning with the InceptionV3 architecture, leveraging pre-trained weights to improve accuracy and reduce training time.
- Utilized 1559 dataset of eye images, applying preprocessing and augmentation techniques to enhance model performance and generalization.
- Achieved promising classification results across multiple eye conditions and compiled the research findings into a scientific journal manuscript.

RECHARGE RIAU

Academic Project Dec 2024 – Jan 2025

- Led a team in developing an interactive web-based Geographic Information System (GIS) map application to visualize Electric Vehicle Charging Stations (EVCS) in Riau Province, Indonesia.
- Employed QGIS2Web for spatial visualization, integrated with a PHP backend and MySQL database.
- Deployed the application to Google Cloud Platform (GCP) for scalable and public web access.

EYETIFY

Capstone Project – Bangkit Academy Apr – June 2024

- Led a team in developing deep learning-based mobile application for early detection of eye diseases through image classification, integrating machine learning models with the backend to enhance job matching.
- Designed and built scalable APIs using Express.js and Firestore, deployed on Cloud Run and App Engine for availability.
- Optimized cloud resources, managing Cloud Storage for secure data handling and ensuring cost-effective allocation.

CERTIFICATION

GOOGLE IT SUPPORT

Coursera-Google April 2024

- Mastered basic IT support skills including troubleshooting, customer service, and system administration.
- Gained hands-on experience in networking, operating systems, and IT security.
- Completed 5-course program developed by Google to prepare for entry-level roles in IT support.

GOOGLE CLOUD COMPUTING FOUNDATIONS CERTIFICATE

Google Cloud April 2024

- Mastered cloud computing fundamentals using Google Cloud Platform.
- Completed 4 core modules & 4 hands-on skill badges (Compute Engine, BigQuery, IAM, etc).
- Gained knowledge in infrastructure, networking, security, data, ML, and AI on cloud.

GOOGLE CYBERSECURITY

Coursera-Google July 2024

- Learned core cybersecurity concepts including risks, threats, vulnerabilities, and mitigation strategies.
- Gained hands-on experience in beginner-level Python, Linux, SQL, as well as SIEM and IDS tools.
- Completed 8-course program developed by Google to prepare for entry-level roles in cybersecurity.

AWARDS

BEST GRADUATE OF CLASS XXVIII WITH CUMLAUDE PREDICATE

Universitas Muhammadiyah Riau Pekanbaru
May 2025

ADDITIONAL

Technical Skills: APIs, Data Analytics, PowerBI, PHP, Python, JavaScript, Node.js, Laravel, Google Cloud, Docker, CI/CD, MySQL, SQL Server, Macro VBA, MsOffice.
Soft Skills: Communication, Problem Solving, Research, Team Work, Time Management.
Languages: Fluent in Indonesian, Upper Intermediate in English.
Publication: Transfer Learning Approach for Eye Disease Classification using Images with CNN-InceptionV3.