



RADEN AHNAF FAQIH SHAIMY

Data Science & AI Specialist | Data Scientist | AI Engineer

Data enthusiast with over 9 years of experience turning complex datasets into actionable insights that drive strategic decisions and measurable growth. Skilled in big data analytics, machine learning, and AI solutions, with a strong track record of enhancing efficiency, optimizing operations, and driving innovation across diverse industries.

Jakarta, ID

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raden-faqih

https://github.com/raden-faqih

EXPERIENCE

2016 - PRESENT

PT Telkom Indonesia (Persero) Tbk | Jakarta, ID

AI Engineer - Tribe Digital Solution

Full-time | Sep 2024 - Present

- Develop, fine-tune, and maintain machine learning models for tasks such as natural language processing, computer vision, recommendation systems, and predictive analytics.
- Integrate AI models with APIs and applications using frameworks such as FastAPI, Flask, or Streamlit to create end-user solutions.
- Collaborate with cross-functional teams (data scientists, engineers, and product owners) to translate business problems into AI-driven solutions.

Lead Data Scientist - Tribe Logistics and Agriculture

Full-time | Sep 2021 - Sep 2024

- Lead and mentor a multidisciplinary data team consisting of data engineers, data analysts, and data scientists to deliver high-impact, data-driven initiatives.
- Define the data strategy and roadmap to align analytics and AI initiatives with organizational goals for efficiency and revenue growth.
- Collaborate with business stakeholders to identify opportunities where data can optimize operations, reduce costs, and create new revenue streams.

Data Scientist - Telkom Big Data

Contract | Aug 2016 - Sep 2021

- Collect, process, and analyze large-scale datasets from multiple sources to generate actionable insights that support strategic and operational decision-making.
- Develop predictive and prescriptive models using statistical methods and machine learning techniques to improve efficiency and optimize business processes.
- Uncover new revenue streams by leveraging data analytics to identify untapped market opportunities, customer behavior patterns, and product enhancements.

Mar 2016 - Jul 2016

PT GEO Enviro Omega | Jakarta, ID

Software Engineer | Full-time

- Design, develop, and maintain web applications using Python Django framework to support disaster monitoring and management operations for BPBD DKI Jakarta.
- Develop interactive geospatial dashboards and mapping tools to assist the command and control center (Pusdalops) in decision-making and response coordination.
- Provide training and technical support for BPBD staff to effectively utilize the developed application in disaster monitoring and response.

Apr 2014 - Mar 2016

PT RHB Asset Management Indonesia | Jakarta, ID

IT Operations Support | Full-time

- Provide day-to-day technical support to end-users across the organization, resolving software, hardware, and connectivity issues.
- Manage and maintain company websites and in-house applications to support internal business processes and operational efficiency.
- Procure, configure, and deploy IT Products including servers, workstations, networking devices, and communication tools to meet organizational needs.
- Support Disaster Recovery Plan (DRP) and Business Continuity Plan (BCP) by implementing procedures, testing recovery scenarios, and ensuring readiness for critical events.
- Maintain IT documentation including system configurations, project records, and operational procedures.

Nov 2010 - Apr 2014

Research Consortium (RC) OPPINET ITB | Bandung, ID

Research Assistant & Software Developer | Full-time

- Conduct applied research in mathematical modeling to address real-world challenges in the oil and gas industry, such as pipeline leak detection and multiphase fluid flow simulation in inclined pipes.
- Collaborate with academic supervisors and industry partners to align research objectives with practical industry needs.
- Develop desktop software applications using Python and Qt framework to visualize and interact with simulation results.

EDUCATION

2011 - 2013 | Kanazawa University

Master of Computational Science

Thesis: "Metal Casting Simulation using Smoothed Particle Hydrodynamics"

2011 - 2013 | Institut Teknologi Bandung

Master of Computational Science

Thesis: "Simulation of SPH Method for Couette-Poiseuille Flow of Power Law Fluid within a Gap Filled with Obstacles"

2007 - 2011 | Institut Teknologi Bandung

Bachelor of Mathematics

Final Project: "Implementation of Chebyshev-T Method for Calculating Eigenvalues in Hydrodynamic Stability Problems"

CORE SKILLS

- Machine Learning & AI Model Development
- Big Data Processing & Optimization
- Data Analytics & Business Intelligence
- Software Development & Application Design
- IT Infrastructure & Operations Management
- Mathematical Modeling & Simulation
- Project Management & Cross-functional Collaboration
- Stakeholder Engagement & Communication
- Business Process Optimization & Automation
- Disaster Recovery Planning & Business Continuity

TECHNICAL SKILLS

- Programming Languages:** Python, SQL, JavaScript, PHP, C++
- Frameworks & Libraries:** Streamlit, FastAPI, Flask, Django, Scikit Learn, TensorFlow, PyTorch, Langchain, Pandas, NumPy, PyQt
- Big Data & Cloud:** Apache Spark, Hadoop, Hive, Google Cloud Platform (GCP), Microsoft Azure
- Databases:** PostgreSQL, MySQL, BigQuery, MongoDB, Elasticsearch
- Data Visualization:** Tableau, Metabase, Looker, Redash, Matplotlib, Plotly
- DevOps & Infrastructure:** Docker, GitHub, GitLab, CI/CD Pipelines, Linux Server Administration

COURSES & CERTIFICATIONS

- AI Engineering Specialization
- Google Cloud Certified Cloud Digital Leader
- Google Business Intelligence Professional
- Accelerating End-to-End Data Science Workflows
- Python Data Products for Predictive Analytics
- Executive Data Science Specialization

LANGUAGES

- Indonesian
- English
- Japanese (JLPT N3)