Ahmadi Ahmar Ar Rayyan

A software engineer and data scientist with 3+ years of experience in developing data-intensive applications, building machine learning solutions and collaborating with various functions.
ahmadirayyan@gmail.com | linkedin.com/in/ahmadirayyan | ahmadirayyan.github.io

Experiences

PT Pertamina Hulu Mahakam, *is one of the main gas and oil producers in Indonesia*   *Balikpapan*
Junior Data Scientist – Data Management Svc. in Subsurface Development and Planning Div.   *Sep 2020 - Present*
- Digitalized subsurface business process across functions with 4+ enterprise-level products, simplifying workflow and improving productivity.
- Built in-house machine learning projects and supervised outsourced machine learning projects in subsurface.
- Became the key player for both digital transformation and machine learning development.
  Keyword: C#, .NET Core, Oracle, MS SQL Server, N-Tier, EF Core, IIS, Telerik, Python, Flask, MongoDB, REST API, RHEL, Docker, scikit-learn, TensorFlow, Plotly, Random Forest, MLP, LSTM

PT Pertamina Hulu Mahakam, *is one of the main gas and oil producers in Indonesia*   *Balikpapan*
Apprentice Software Engineer – Competency and Training Svc. in Drilling Div.   *Nov 2019 – Apr 2020*
- Developed enterprise-level intranet web application for user's competency management system from scratch.
- Reduced the reliance on the application developer by implementing custom role-based access control.
  Keyword: C#, .NET Framework 4.6, MS Sql Server, N-Tier, EF, Autofac, Elmah, NPOI, AdminLTE, ChartJS, DataTables

Gerakan Sekolah Menyenangkan, *is grassroots movement to transform education in Indonesia*   *Remote*
Back End Developer – E-learning Developer Team   *Sep 2019 – Oct 2019*
- Developed secure authentication module using Laravel Passport based on OAuth2 protocol.
- Developed high-quality REST APIs for admin dashboard application requirements, including FCM implementation.
  Keyword: PHP, Laravel, MongoDB, REST API, Passport, OAuth2, Firebase Cloud Messaging, Trello, Github, Postman

PT Pertamina Hulu Mahakam, *is one of the main gas and oil producers in Indonesia*   *Balikpapan*
Intern Software Engineer – Competency, Development and Training Dept. In Drilling Div.   *Aug 2018 – Oct 2018*
- Enabled data retrieval and synchronization from SAP BAPI to Oracle database using Java.
  Keyword: Java, Oracle, MVC, SAP BAPI, Web Service, SOAP, Bootstrap

Education

Universitas Gadjah Mada   *Yogyakarta*
Bachelor of Engineering in Information Engineering – GPA 3.64 of 4.00   *Aug 2015 – Sep 2019*
- Cum Laude Graduate, Assistant of Database Lab Work and Assistant of Object-Oriented Programming Lab Work.

Awards

PT Chevron Pacific Indonesia   *Duri*
Exceptional Education Assistance Awardee   *Oct 2014*
Ministry of Education and Culture (Indonesia)   *Mataram*
Bronze Medalist of Indonesian National Olympiad in Informatics   *Sep 2014*

Certifications

PCAP 31-03: Certified Associate in Python Programming – Credentials   *OpenEDG Python Institute: Oct 2022*
Professional Academy: Python – Credentials   *KOMINFO & Cisco: Mar – May 2022*
Professional Academy: UI/UX Design – Credentials   *KOMINFO & Skilvul: Aug – Oct 2021*
Data Engineering with GCP Courses – Credentials   *Coursera: May 2020*
Machine Learning Hands-on Lab and Courses – Credentals   *Qwiklabs: May 2020*
Fresh Graduate Academy: Artificial Intelligence DTS – Credentials   *KOMINFO & UGM: Jul – Aug 2019*