

Zacharia Bachtiar

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About Me

A fresh graduate of Software Engineering in Telkom University with a GPA of 3.91. Enrolled as a student in Purwadhika Digital Technology School studying Data Science and Machine Learning. I had 2 experience as an intern in the software department, and 1 part-time experience as a practicum assistant. I excel at both teamwork and individual work, adapting quickly to new environments and challenges. Currently looking for a job/internship as a Data Scientist, Machine Learning/AI Engineer, Data Analyst, or Data Engineer.

Skills

- Python | Golang | Node.js | Express.js | React.js | Strapi | Machine Learning
- Apache Spark | Tableau | Looker Studio | Table Plus | Google Colab | Microsoft Office
- MySQL | PostgreSQL | MongoDB | Prisma | Mongoose | Gorm | Katalon | Docker | Git/GitHub/Gitlab

Experiences

Data Science, *Student* **Purwadhika Digital Technology School** *Jakarta, Indonesia* **06/2024 - 09/2024**

- Dedicated 4 months gaining deep knowledge in Python Programming, Data Analysis, and Machine Learning, developed 12 impactful projects.
- Conducted extensive data analysis using Tableau and Looker Studio, along with Python libraries for exploratory data analysis.
- Explored various AI and machine learning concepts, including different model algorithms and metrics, deep learning techniques, and data processing with Apache Spark.

Back-end Developer, *Intern* **Telkom Indonesia** *Bandung, Indonesia* **09/2023 - 02/2024**

- Assisted and collaborated with the developer team in the backend operations using Gitlab and Node.js.
- Performed unit test automation for backend APIs using Mocha as a testing library.
- Performed query creations on a third party data services called BigQuery (BigBox) and recorded 350+ API using Sheets.

Programmer, *Intern* **LDKPI - Ministry of Finance** *Jakarta, Indonesia* **06/2023 - 08/2023**

- Developed a front-end web application with multi-language features for LDKPI using React.js.
- Developed a web API integrated with the front-end using the headless CMS Strapi.js.
- Performed manual deployment to a remote server (Linux CentosOS) and configured the server using Nginx.

Practicum Assistant, *Part-time* **Informatics Laboratory Telkom University** *Bandung, Indonesia* **02/2023 - 07/2023**

- Providing guided assistance twice a week to practicum students on *Operating Systems* such as *Linux*, *Ubuntu*, dan *Xinu*.
- Supervise the flow of the practicum process for 70+ practicum students.

Education

Bachelor of *Software Engineering* **Telkom University** *Bandung, Indonesia* **2020 - 2024**

- Staff of Creative Media of the Software Engineering Student Association.
- Staff of Education Division of the IEEE Telkom University Branch.
- Staff of Movie Making Division of the Student English Society.
- Graduated with honors (Cum Laude) and achieved a GPA of 3.91.

Relevant Projects

- **Telco Customer Churn Classification:** Developed a machine learning model for classification prediction to predict churn rate of a customers using comparison of various models and techniques, including sampling, feature selection, and evaluation methods. **(09/2024)**
- **Airbnb Bangkok Listing Analysis:** Conducted a deep data analysis on Airbnb Bangkok listings data using Python along with Tableau to extract profitable insights and enhance business understanding. **(09/2024)**
- **School Student Performance Prediction:** Developed a machine learning model for multiple linear regression to predict student performance score using common metrics and techniques such as R-Squared, RMSE, and Residual Analysis. **(09/2024)**
- **Gold Prices Forecasting:** Developed a machine learning model for forecasting future gold prices, comparing algorithms like ARIMA, SARIMA, and Prophet to determine the best-predicting model. **(09/2024)**

Certifications

- **Complete Web Development:** Certificate from Udemy for completing a course on Fullstack Web Development. **(08/2022)**
- **Cloud Practitioner Essentials:** Certificate from Dicoding for completing a course on understanding AWS, EC2, S3, and Lambda. **(01/2023)**
- **Problem Solving Basic:** Certificate from HackerRank for completing challenges on Algorithms and Data Structures. **(01/2023)**