

# Adhang Muntaha Muhammad

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## ABOUT ME

I'm a graduate of the Computer Science and Electronics Department from Universitas Gadjah Mada with a Bachelor of Science degree. As a data enthusiast, I have a strong growth mindset. I take various courses to improve my skills in the data science field. I'm a quick learner, detail-oriented, and able to communicate technical matters in a simple way. I have certification from Huawei in artificial intelligence and I'm interested in a career as a data scientist.

## SKILL AND COMPETENCY

- Database and Query – PostgreSQL
- Python programming – Pandas, NumPy
- Data visualization – Matplotlib, Seaborn
- Machine learning – Scikit-learn, TensorFlow
- Tableau, Google Data Studio
- Detail-oriented

## WORKING EXPERIENCE

### id/x partners

**Yogyakarta, Indonesia**

#### *Data Scientist Internship*

*May 2022 – Present*

- I used the gradient boosted trees model (XGBoost and LightGBM) to determine the probability of a borrower's default risk in a lending company and achieved a 98% accuracy score

### Faculty of Mathematics and Natural Sciences, UGM

**Yogyakarta, Indonesia**

#### *Laboratory Assistant*

*August 2021 – December 2021*

- Collaborated with more than 5 lecturers to guide more than 90 students in practicum activities

### LAPAN Aviation Technology Center

**Bogor, Indonesia**

#### *Programmer Internship*

*January 2019 – February 2019*

- Collaborated with senior scientists to make a control system using C/C++ language
- Calibrated 3 sensors using a linear regression algorithm and successfully reduced the average error value up to 92%

## FORMAL EDUCATION

### Universitas Gadjah Mada

**Yogyakarta, Indonesia**

#### *Bachelor of Science in Electronics and Instrumentation (GPA: 3.78)*

*2016 – 2021*

- Thesis: Control System of Antenna Tracker Towards a UAV Using Fuzzy-LQR Method
- Related course: programming, bio-inspired system, digital image processing

## NON-FORMAL EDUCATION

### Digital Skola

**Yogyakarta, Indonesia**

#### *Data Science*

*January 2022 – April 2022*

- Learn about an end-to-end solution using data science methodology
- Learn about statistics, database, SQL, data analysis, data manipulation, data visualization, machine learning, model deployment, business intelligence, and so on
- Data science tools: PostgreSQL, Python, Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, Flask, Heroku, Google Data Studio, etc.
- Final report: <https://bit.ly/AdhangDigitalSkola-Report>

## Digital Talent Scholarship

Yogyakarta, Indonesia

### Business Intelligence

March 2022 – April 2022

- Learn about statistics fundamentals, data analysis using PostgreSQL, and dashboard development using Tableau
- Certificate of completion: <https://bit.ly/AdhangRakamin-BI>

## Digital Talent Scholarship

Yogyakarta, Indonesia

### Artificial Intelligence

July 2021 – September 2021

- Learn about data preprocessing, model evaluation, hyperparameter tuning, and machine learning algorithm such as linear regression, logistic regression, SVM, KNN, decision tree, ensemble methods, and deep learning
- Certificate of completion: <https://bit.ly/AdhangFGA2021>

## ORGANIZATION

### Gadjah Mada Aerospace Team

Yogyakarta, Indonesia

#### Programmer

September 2016 – September 2018

- Collaborated with more than 20 members from various majors
- Responsible for reading more than 5 sensors and calibrating them with a linear regression algorithm, data filtering, data transmission, and designing the control system
- Participated and won the Global Space Balloon Challenge in 2018

## CERTIFICATION

### Huawei Certified ICT Associate – Artificial Intelligence (HCIA – AI)

#### Huawei Technologies Co., Ltd.

- Validity date : September 2021 – September 2024
- Credential ID : 010102001808451131218011
- Credential URL : <https://bit.ly/AdhangHCIA>
- Credential validation : <https://e.huawei.com/en/talent/#/cert/certificate-verification>

## PORTFOLIO

### Telco Customer Churn Prediction (April 2022)

- I did some exploratory data analysis to understand the customer behaviors and used the gradient boosted trees model to determine whether a customer will continue to use the service (retain) or leave the service (churn) and achieved a sensitivity score of 80%
- Detailed project: <https://adhang.github.io/>