

**Naufal Aditya Dirgandhavi (Mr.)**  
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## Profile

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A high adaptability master's degree student at Master of Computing in NUS. Aspired to become an engineering manager that is passionate in coding and also managing projects.

## Education

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**Master of Computing, Information System Specializations** 08/2025 – present

*National University of Singapore*

Fully-funded by LPDP Kemenkeu Indonesia (Endowment Fund for Education Agency by Ministry of Fund Indonesia). Course registered: IS5010 AI Ethics and Governance, IS5126 Hands-on Applied Analytics, and IS5128 Digital Innovation.

**Bachelor of Science in Informatics Engineering/Computer Science** 08/2017 – 10/2021

*Bandung Institute of Technology*

Majoring in informatics engineering and computer science courses. Keeping in the upper Second-class degree with a GPA of 3.30/4.00 while still active in the informatics student association at ITB. A lab assistant in Database Laboratorium & Introduction to Programming Lab, Assistant Coordinator in Database Modeling & Socio-informatics course, and Course Assistant at Object-Oriented Programming & Machine Learning with a four-year full scholarship by Kaltim Tuntas and living scholarship from Toyota Astra.

## Research Experience

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**Performance Analysis of Clustering Algorithm on Handling Categorical Data** 10/2020 – 10/2021

A data analyst research field focusing on analyzing the performance of clustering algorithms in handling categorical data with study cases using elected Indonesia's legislative profile 2019-2024. The clustering algorithms used are K-Means, K-Modes, and ROCK. The result is the K-Means algorithm with encoding performs the best for similar categorical data.

## Work Experience

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**Software Engineer Team Leader** 04/2023 – 06/2025

*Samsung R&D Institute Indonesia*

Samsung's research and development center that supports its brand's cutting-edge technology in Indonesia. Working on an energy conversion internal project using data crawling method and an IoT virtual simulation android project as a backend and data engineer.

**Software/Data Engineer****10/2021 – 01/2023***Schoters by Ruangguru*

A study abroad consultant that also provides language proficiency tests and their preparation, legal document translation, etc. Worked on a web app service in the business process, especially on its learning management system and study abroad preparation website at one of the most prominent education tech startups in Indonesia, Schoters (schoters.com) using golang and laravel. Also, maintaining its data warehouse, ETL data pipeline, event tracking platform, data capture, and data orchestration provides analysis needs to support business decision-making. Stack used: Google BigQuery, Python, Shell Script, GKE, DBT.

**Backend Developer****01/2020 – 01/2021***Xtremax*

A software house that focuses on providing cloud and digital transformation solutions. Worked on a backend developer team that maintains an internal framework. Responsible for research, development, and keeping some components such as Cron, Messaging, Queue, Secret Manager, AOP, etc to be used by another project. Stack used: [ASP.NET](#)

**Organizational and Volunteer Activities**

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**Informatics Student Associate in Bandung Institute of Technology** **09/2018– 10/2021***Committee leader of July Graduation Celebration of Informatics Student Associate in 2019*

One of the best staff of Intracampus Division of Informatics Student Associate and a division leader of April Graduation Thanksgiving of Informatics Student Associate 2019, also a committee leader of July Graduation Celebration of Informatics Student Associate in 2019.

**Youth of Happiness “YOSH” MyFundAction Indonesia****02/2021 – 09/2021***Head of Secretary*

A non-governmental organization that empowers youth based on Islamic values. Became an active member of YOSH and head of the secretary in Introduction and Briefing of Daily College Life YOSH, a series of webinars for the new students of colleges.

**Professional/Technical Skills**

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**Data-related** : SQL, NoSQL, Hadoop, Apache Kafka, Apache Spark, Google Cloud Platform, Tableau, DBT, Google Looker Studio

**Engineering** : Git, Java, Python, C++, C#, Javascript, PHP, Golang, Microsoft Visual C#, Android Studio, ASP.NET, Kubernetes, Docker, Google Pubsub, NodeJS, Puppeteer

**Languages**

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**Indonesian** : Native Proficiency

**English** : IELTS 7.0