

Syarafina Dewi

Semarang, Indonesia | +6288229534836 | dewisyarafina@gmail.com

SUMMARY

I have a passion for various aspects of technology such as Machine Learning, Big Data using Python, and Data Analytics. I am frequently involved in the data mining process such as data understanding, data preprocessing, data analysis, and data visualization. I am proficient in using Python programming languages. In addition, my proficiency in utilizing tools like Microsoft Excel and Google Data Studio further enhances my ability to deliver captivating and impactful analysis.

EDUCATION

Aug 2019 – Jul 2023 **Satya Wacana Christian University**
Bachelor of Computer Science
GPA: 3.91
Specialization: Data Science

EXPERIENCES

May 2023 **Freelance Admin ASEAN Data Science Explorer 2023**

- Created a Google Form for participant attendance
- Enter more than 300 data per day
- Establish good communication with the committee

Sep 2022 – Mar 2023 **Intern Data Analyst at PT. Warung Mantep Indonesia**

- Successfully implemented and managed ERPNext, streamlining processes and boosting productivity
- Drove strategic decision-making by making sales forecasts
- Developed visually appealing dashboard reports, providing real-time business insights to key stakeholders

Aug 2022 – Dec 2022 **Studi Independen Kampus Merdeka Data Analytics at PT. Zona Edukasi Nusantara (Zenius)**

- Learned and implemented machine learning algorithms such as K-Means, Linear Regression, Decision Tree, etc.
- Made a journal with the title Twitter Sentiment Analysis Towards Qatar as Host of the 2022 World Cup Using Textblob
- Worked in a team to create a loan repayment prediction model using historical data

Aug 2022 – Dec 2022 **Front-End Web Developer at Mosfis Indonesia**

- Participate in creating website design
- Create landing pages using HTML, CSS, JS and React Native
- Manage hosting

Jul 2022 **Project-Based Intern: Business Intelligence Analyst Virtual Internship Experience Bank Muamalat**

PROJECTS

Aug 2023 **Email Spam Detection Using SVM**

Oct 2022 – Apr 2023 **Implementation of Principal Component Analysis on K-Means for Clustering Education Levels of Semarang Regency Population**

Dec 2022 – Jan 2023 **Twitter Sentiment Analysis Towards Qatar as Host of the 2022 World Cup Using Textblob**

Oct 2022 – Dec 2022 **Home Credit Default Risk**

Jul 2022 **Business Intelligence Analyst Virtual Internship Experience Bank Muamalat**

Sep 2021 – Des 2021 **Application of the Decision Tree Method in Analyzing Neuroticism Personality Traits in Students**

Feb 2021 – Apr 2021	Object Detection using OpenCV
Nov 2020 – Dec 2020	Waroenk Mas Bin Café Database System

ACHIEVEMENTS

October 2022	Runner-up, SOPREMA FISIPOL UGM 2022 Competition (Start-up Category)
August 2021	3rd Place in the 2021 Innovation Technology Competition

CERTIFICATES

Aug 2023	Data Analytics Essentials, Cisco
Jul 2023	Data Analytics Micro-credential, Coursera
Jul 2023	Using Databases with Python, University of Michigan
May 2023	AWS Certified Cloud Practitioner, Amazon Web Services (AWS)
Nov 2022	Google Data Analitik, Coursera
Des 2021	Database Programming with PL/SQL, Oracle
Jul 2021	Database Design and Programming with SQL, Oracle
Mar 2021	Python for Data Science, IBM

SKILLS

- **Programming Language:** Python
- **RDBMS:** SQLite, Oracle
- **Libraries:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn
- **Machine Learning:** Supervised Learning and Unsupervised Learning
- **Data Visualization:** Google Data Studio
- **Microsoft Office:** Microsoft Excel, Microsoft Word, Microsoft Powerpoint
- **Code Editor & IDE:** Anaconda, Google Colaboratory, Visual Studio Code
- **Soft Skills:** Teamwork, Willing to Learn, Problem-Solving, Communication, Time Management, Analytical Thinking, Fast Learner

ORGANIZATIONS

Jan 2020 – Jan 2021	Head of Internal and External Division at Informatics Engineering Undergraduate Student Association <ul style="list-style-type: none"> • Collaborated with division members to develop and execute work programs • Provided comprehensive reports on work program outcomes to the chairman of HMPTI • Actively engaged in multiple campus activities as a committee
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TOEFL

May 2023 – May 2025	Lembaga Kajian Dan Pengajaran Bahasa (LKPB) 560 Test Score
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PUBLICATIONS

Dewi, Syarafina and Arianto, Dede Brahma. Twitter Sentiment Analysis Towards Qatar as Host of the 2022 World Cup Using Textblob. Journal of Social Research, Vol. 2 No. 2(2023): 443–455.

Titled Article: "Implementasi Principal Component Analysis pada K-Means untuk Klasterisasi Tingkat Pendidikan Penduduk Kabupaten Semarang"

Letter of Acceptance (LoA) accepted for publication in the JIPI (Jurnal Ilmiah Penelitian dan Pembelajaran Informatika) (Year of Publication: 2023).

PORTFOLIO & CONTACTS

- **Portfolio:** <https://syarafina-dewi.github.io/>
- **LinkedIn:** <https://www.linkedin.com/in/syarafina-dewi/>
- **GitHub:** <https://github.com/Syarafina-Dewi>