Boy Cakraningrat

✉ boycakra69@gmail.com |
📱 085156084644
 https://github.com/boycakra | in https://www.linkedin.com/in/boy-cakraningrat/

About Me

Computer Science graduate from Pertamina University in South Jakarta, with a primary focus on data analysis for various applications and a special interest in AI/machine learning. Experienced in meticulously conducting data analysis and ensuring data quality. Always enthusiastic to work with precision and deliver the best insights. Committed to devising innovative strategies in data analysis to meet user satisfaction and support business growth.

Interests

I am passionate about various aspects of computer science and data analysis, with a particular focus on: Machine Learning, Artificial Intelligence, Statistics, Data Science, Data Analysis, Sports Science.

Skill

Languages: Python, SQL, java, html, and css

Skills:

- **Python:** Programming Fundamentals, Data Structures, NumPy, Pandas, Data Cleaning, Data Visualization, SQL Integration
- **Microsoft Excel:** Data Manipulation, Formulas and Functions, PivotTables, Data Cleaning, Charts and Graphs
- **SQL:** Database Basics, Querying, Joins, Grouping and Aggregation, Filtering and Sorting, Data Modification

Work Experience

Indonesia Biru Foundation   july. 2021 - oct. 2021

Android Developer   *Java, mobile-app, Git, GitHub*

- Developing an Android-based application for diving spots in the Lombok region, aiming to provide information about diving locations inLombok to enhance the number of diving tourism in the area.

Education

Univerisity Pertamina   graduation: May. 2023

Computer Science and | Link to all courses

Relevant Courses: Machine Learning, Kalkulus, Probability and Statistics, Object-Oriented Programming (OOP), Basis Data

Thesis: Prediction of Basketball League Match Results in NBA Using Multivariate Quadratic Method

- Two types of datasets, Dataset 18 and Dataset 22, were used to create prediction models.
- These models analyze how a team's total points are influenced by player scoring, successful 3-point shooting, successful free throws, and the last pass before scoring.

Projects

Skin Detective   Jul. 2023

Instant healthcare access and skin disease identification app.   *Python, Java, Firebase, MachineLearning, Git*

- Hospital Directory: Browse hospitals with details, specialties, and reviews.
- Doctor Consultation: Connect with doctors for medical advice and consultations.
- Skin Disease Detection: Use ML to analyze images and get disease information.

Polution Model   Sep. 2021

Make Air Polution Model Jakarta   *Python, Machine Learning, Jakarta, Polution, Git*

- Data Analysis and Logistic Regression Prediction using air pollution index in DKI Jakarta.
- Utilized machine learning methods, including Visualizations, Logistic Regression, and One-Hot Encoding.
- Visualized numerical and categorical air pollution data, including time series data.
- Applied Logistic Regression with ordinal scale for modeling air pollution data.
- Employed One-Hot Encoding to manipulate categorical data in the 'lokasi spku' column.
- Modeled based on Minister of Environment Decree No. KEP 45/ MENLH/ 1997 air quality index ranges.

Organization

Cite Up jun. 18 - nov. 2018

Humas

- Computer and It Event Universitas Pertamina(Cite Up) is an annual competition by Computer Science Universitas Pertamina.
- assist the Cite Up teams in contacting a guest and make a guest comfortable. I am here to provide support and ensure that our guests have a pleasant and comfortable experience..

Himpunan Mahasiswa Ilmu komputer Sep. 18 - Jun. 2019

Humas

- serves as the primary communication channel between the student organization and its members.
- collaborates with other teams within the student organization to plan and execute various events and programs.

Certifications

Certifications:

- **(2021):** Successfully completed Python OOP with exercise project in 2021
- **(2021):** Successfully completed Data Visualization in Excel in 2021
- **(2023):** Mastering AI Bootcamp - Batch 1

BOY CAKRANINGRAT

PORTOFOLIO

Contact

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Github
| https://github.com/boycakra

Linkedin
https://www.linkedin.com/in/boy-cakraningrat/

Education

Bachelor Degree in Computer Science Universitas Pertamina

Expertise

- Data Cleaning, Data Visualization
- Version Control
- Android Development
- Database Basics, Querying, Joins, Grouping and Aggregation, Filtering and Sorting, Data Modification

SOFT SKILLS

- Communication skills
- Teamwork and collaboration
- Adaptability

Work Experience

- **Jul 2021 - Oct 2021**
  Indonesia Biru Foundation
  Android Developer
  - Developing an Android-based application for diving spots in the Lombok region, aiming to provide information about diving locations in Lombok to enhance the number of diving tourism in the area.

Project & Research

- **Research**
  May 25, 2022

  The research with the lecturer aims to propose a System Requirement Specification (SRS) for an app that bridges waste collectors and households, facilitating the collection and sorting of economically valuable waste while promoting sustainable waste management practices.

- **May 25, 2022**
  Mobile TANI
  Android Developer Project
  - E-Commerce Mobile Tani is a mobile app that simplifies the buying and selling of agricultural products in Indonesia. Designed to meet local needs, farmers can list their products for sale, and buyers can easily search and discover the agricultural items they need.
  - https://youtu.be/L_w-oDJmsm4

- **May 11, 2023**
  Model Prediction
  Machine Learning
  - Predicting NBA game outcomes using multivariate quadratic polynomial and standard linear regression. Steps include data scraping from internet, cleaning, and analyzing features from Dataset 18 and Dataset 22 like player scoring, 3-point shots, free throws, and the last pass before scoring. Aimed at providing concise insights for fans and team management.

- **July 23, 2023**
  Skin Doc
  Android Developer Project
  - Developing Mobile App with machine learning algorithms, offers users a quick and reliable method to identify potential skin disease using just their smartphones
  - https://youtu.be/ZIXwIHZkH20

TRANSKRIP MATA KULIAH

Nomor Induk	: 105217028	
Nama	: BOY CAKRANINGRAT	
Program Studi	: Ilmu Komputer	
Fakultas	: Fakultas Sains dan Ilmu Komputer	
SKS Tempuh/SKS Lulus	: 148/148	
Program/Semester	: S1/Genap 2022	

NO.	KODE	NAMA MATA KULIAH	SKS	NILAI	HISTORIS NILAI	KONVERSI
1.	CH1101	Kimia Dasar I	3	C	2017/Ganjil/C	6.00
2.	CS0012	Pengantar Teknologi Informasi dan Algoritma	2	C	2017/Ganjil/C	4.00
3.	UP1101	Berpikir Kritis	1	A-	2017/Ganjil/A-	3.70
4.	UP1102	Tata Tulis Karya Ilmiah	2	B-	2017/Ganjil/B-	5.40
5.	UP1103	Bahasa Inggris I	2	A-	2017/Ganjil/A-	7.40
6.	UP1104	Kalkulus I	4	C	2017/Ganjil/C	8.00
7.	UP1105	Fisika Dasar I	4	C	2017/Ganjil/C	8.00
8.	CH1201	Kimia Dasar II	3	C	2017/Genap/C	6.00
9.	CS1215	Dasar Pemrograman	1	C	2017/Genap/C	2.00
10.	UP0013	Pengantar Teknologi dan Bisnis Energi	2	B+	2017/Genap/B+	6.60
11.	UP1201	Kalkulus II	4	C	2017/Genap/C	8.00
12.	UP1203	Bahasa Inggris II	2	B+	2017/Genap/B+	6.60
13.	UP1204	Berpikir Solusi Kreatif	2	C	2017/Genap/C	4.00
14.	CS2112	Matematika Diskrit	4	C	2018/Ganjil/C	8.00
15.	CS2113	Arsitektur dan Organisasi Komputer	3	B	2018/Ganjil/B	9.00
16.	CS2114	Basis Data	3	C+	2018/Ganjil/C+	6.90
17.	CS2115	Teori Graf	3	C	2018/Ganjil/C	6.00
18.	CS2211	Pemrograman Berorientasi Objek	4	C+	2018/Genap/C+	9.20
19.	CS2212	Automata	3	C+	2018/Genap/C+	6.90
20.	CS2213	Manajemen Sistem Informasi	2	B	2018/Genap/B	6.00
21.	CS2216	Sistem Operasi	3	C	2018/Genap/C	6.00
22.	UP1202	Fisika Dasar II	4	C	2018/Genap/C	8.00
23.	CS2111	Algoritma dan Struktur Data	3	B-	2019/Ganjil/B-	8.10
24.	CS3111	Pemrograman Web	3	B	2019/Ganjil/B	9.00
25.	CS3114	Perancangan dan Analisis Algoritma	4	B-	2019/Ganjil/B-	10.80
26.	CS3115	Jaringan Komputer	3	C	2019/Ganjil/C	6.00
27.	CS3116	Sistem Cerdas	3	C	2019/Ganjil/C	6.00
28.	UP2101	Matematika Teknik I	3	C	2019/Ganjil/C	6.00
29.	CS2214	Probabilitas dan Statistika	3	C	2019/Genap/C	6.00
30.	CS2215	Rekayasa Perangkat Lunak	2	C	2019/Genap/C	4.00

Universitas Pertamina
Jalan Teuku Nyak Arief, Simprug, Kebayoran Lama, Jakarta Selatan, DKI Jakarta 12220
Telp. (021) 29044308

March 16, 2023, 8:21 am
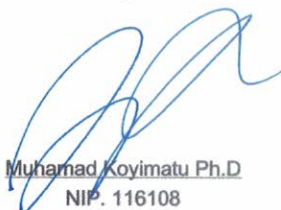
NO.	KODE	NAMA MATA KULIAH	SKS	NILAI	HISTORIS NILAI	KONVERSI
31.	CS3211	Manajemen Kualitas Perangkat Lunak	3	B+	2019/Genap/B+	9.90
32.	CS3213	Komputasi Paralel dan Terdistribusi	4	A-	2019/Genap/A-	14.80
33.	CS3214	Kriptografi dan Keamanan Informasi	3	B-	2019/Genap/B-	8.10
34.	CS3216	Komputer dan Masyarakat	2	B	2019/Genap/B	6.00
35.	CO0011	Persiapan Memasuki Dunia Kerja dan Etika Profesi	2	A	2020/Genap/A	8.00
36.	CS0032	Pemrograman Perangkat Bergerak	3	B-	2020/Genap/B-	8.10
37.	CS0037	Mesin Pembelajaran	3	B+	2020/Genap/B+	9.90
38.	CS3212	Manajemen Perangkat Lunak	3	B-	2020/Genap/B-	8.10
39.	CS3215	Metode Numerik dan Komputasi	3	B	2020/Genap/B	9.00
40.	UP0011	Agama dan Etika	2	A	2020/Genap/A	8.00
41.	10007	Cipta Karsa	1	A	2021/Ganjil/A	4.00
42.	10008	Inovasi dan Kewirausahaan	2	A	2021/Ganjil/A	8.00
43.	10010	Pancasila	2	A-	2021/Ganjil/A-	7.40
44.	52201	Studi Literatur Penulisan Ilmiah	2	B+	2021/Ganjil/B+	6.60
45.	52302	Analisis dan Perancangan Perangkat Lunak	3	C	2021/Ganjil/C	6.00
46.	52304	Pemodelan Bidang Energi	3	C	2021/Ganjil/C	6.00
47.	52305	Pengantar Sains Data	3	B+	2021/Ganjil/B+	9.90
48.	52401	Proyek Multidisiplin	3	A	2021/Ganjil/A	12.00
49.	52402	Kerja Praktik	2	A	2021/Ganjil/A	8.00
50.	10009	Kewarganegaraan	2	B-	2021/Genap/B-	5.40
51.	10011	Pembangunan Berkelanjutan	2	B+	2021/Genap/B+	6.60
52.	52007	Perencanaan Sumber Daya Perusahaan	2	B	2021/Genap/B	6.00
53.	52308	Interaksi Manusia dan Komputer	3	C+	2021/Genap/C+	6.90
54.	52403	Tugas Akhir	5	A	2022/Ganjil/A	20.00
IPK: 2.7						

Catatan:

Transkrip akademik ini hanya berlaku untuk keperluan:

1. Pengajuan Beasiswa
2. Melamar Pekerjaan
3. Persyaratan Yudisium
4. Tunjangan Gaji
5. ....(tuliskan keperluannya)

Mengetahui,
Ketua Program Studi

Muhamad Koyimatu Ph.D
NIP. 116108

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March 16, 2023, 8:21 am

UNIVERSITAS PERTAMINA

dengan ini menyatakan bahwa

Boy Cakraningrat

telah menyelesaikan dengan baik dan memenuhi semua persyaratan pendidikan Sarjana pada

Program Studi   :   Ilmu Komputer

Fakultas   :   Sains dan Ilmu Komputer

Sehingga kepadanya diberikan gelar **Sarjana Ilmu Komputer (S.Kom.)**

beserta hak dan kewajiban yang melekat pada gelar tersebut.

Diberikan di Jakarta pada 20 Mei 2023

Rektor

Dekan

Universitas Pertamina

Prof. Dr. Ir. Wawan Gunawan A. Kadir, M.S.

Prof. Dr. Ir. Rudy Sayoga Gautama Benggolo