AHMAD ANSORI

Way Umpu 50, Kota Metro, Indonesia
ahmad@ansori.pro | www.ahmadansori.com
+62 895-1531-8235 | LinkedIn: ansoridev

FULLSTACK DEVELOPER

Versatile Fullstack Developer skilled in web and mobile solutions, IoT, and cloud computing. Passionate about solving complex challenges.

WORK EXPERIENCE

Owner & Developer | GunaPedia.co.id   Apr 2021 - Des 2022

Web Development for Server and Domain Providers:
- Developed server and domain provider websites, focusing on functionality and user experience.
- **Avoided** using billing applications like WHMCS to streamline the process.
- Ensured seamless navigation for clients seeking hosting services and domain registration.

API Integration and Module Creation:
- Created custom modules and API connections to link client websites with GunaPedia.co.id.
- Facilitated data exchange and communication between client platforms and the central service.

Domain Management Solutions:
- Designed a comprehensive one-stop service for clients to efficiently manage their domains.
- Empowered clients with control over domain settings, renewals, and DNS configurations.

Server Management and Cloud Optimization:
- Managed servers to provide cloud services for clients.
- Optimized website uptime and speed to enhance user experience.
- Proactively addressed cloud-related issues to prevent service interruptions.

SKILLS

I am an adaptable learner with a passion for programming. My abilities in the field include developing

Internet of Things (IoT)
- **Specialization:** Proficient in developing functions to enable devices like Raspberry Pi (Python) or Arduino (C++/C) to perform specific tasks.
- **Key Competencies**
  - Writing clean and efficient code for IoT devices.
  - Implementing communication protocols (e.g., MQTT, HTTP) for data exchange.
  - Integrating sensors, actuators, and microcontrollers.
  - Troubleshooting and debugging IoT systems.

Backend Development
- **Languages:** PHP, Python, Node.js
- **Experience**
  - Creating robust backend functions for websites and IoT systems.
  - Designing APIs for seamless communication between front-end and back-end.
  - Handling databases (SQL, NoSQL) and data storage.
  - Ensuring security and scalability of backend services.

Application Development
- **Languages:** Java, VB.NET, C#, Swift
- **Expertise**
  - Designing user-friendly interfaces for both mobile and desktop applications.
  - Developing responsive and intuitive UI/UX.
  - Implementing features such as authentication, data retrieval, and push notifications.
  - Collaborating with cross-functional teams to deliver high-quality applications.

EDUCATION

Software Engineering | State Vocational School (SMK Negeri 3 Metro)   2019 - 2022
- Studied object-based programming, mobile programming
- There is a lot of focus on programming competitions ranging from city to national level

Associate Informatic Management | University of Lampung   2022 - current
- IPK: 3.70 (3rd semester)
- Community Service Involvement:
  - Collaborated with lecturers and fellow students in various community service activities
  - Specifically, contributed to the FMIPA Faculty's initiatives at SMAN 1 Gedong Tataan and SMAN 1 Kota Metro, with a focus on information technology.
  - Engaged in projects that aimed to improve educational experiences and technological awareness.

LANGUAGE PROFICIENCY

ENGLISH
- **Reading**: I possess strong reading comprehension skills and can understand most text with ease.
- **Speaking**: I am fluent in spoken communication and can effectively express my thoughts.
- **Listening**: I have the ability to comprehend spoken language, understanding most words when engaged in conversation.

INDONESIA
- **Proficiency:** Native speaker with full fluency.

PARTICIPATION & INTERNSHIP

Participant | KKSI 2019 Robotics Competition (National-Level)   2019
- Engaged in competitive robotics challenges at the national level.
- Developed autonomous robot functionalities, including obstacle avoidance and path planning.
- Collaborated with a team to design and build a robot capable of completing specific tasks.
- Achieved a deeper understanding of hardware-software integration in robotics.
- Presented our robot's capabilities and design to judges and fellow participants.

Internet of Things (IoT) Training | PPTIK Intitute Technology of Bandung & University of Bandar Lampung   2019
- Acquired practical skills in IoT development and implementation.
- Worked with Raspberry Pi and Arduino platforms.
- Implemented sensor data collection, communication protocols (MQTT, HTTP), and cloud integration (AWS IoT Core).
- Developed a smart home prototype with temperature monitoring, lighting control, and remote access features.
- Collaborated with fellow participants on mini-projects, fostering teamwork and problem-solving.

Industrial Internship | PPTIK Institute Technology of Bandung   2021
- Tested and contributed to the development of internal applications at PPTIK ITB.
- Gained insights into software development practices within an academic institution.
- Collaborated with senior developers on real-world projects, enhancing my coding skills.

COMPETITION AWARDS

1st Place | LKS (Competition of Vocational student competency) 28th IT Software for Business (City-Level)
2019

- Designed a Hotel & Room Management system using Visual Basic.NET.
- Developed features for room reservations, guest check-in/check-out, and billing.
- Ensured data security through encryption and role-based access control.
- Utilized SQL databases for efficient data storage and retrieval.
- Presented our software solution to a panel of judges, emphasizing its practicality and user-friendliness.

4th Place (Medallion of Excellences) | LKS (Competition of Vocational student competency) 28th Cloud Computing (National-Level)
2020

- Demonstrated proficiency in utilizing various cloud services provided by AWS.
- Deployed applications on Amazon EC2, S3, and Lambda.
- Managed resources, monitored performance, and optimized costs.
- Implemented serverless architectures for scalability.
- Delivered a presentation on cloud computing trends and best practices.

2nd Place (Best Idea) | KKSI Internet of Things Competition (National-Level)
2020

- Conceptualized and developed a cashierless store system
  - Web application using Django for customer interaction.
  - RFID integration with Raspberry Pi for product tracking.
  - Arduino-based door lock and scanning for security.
  - Seamless payment service using APIs (Stripe, PayPal).
- Conducted market research and feasibility analysis for our innovative solution.
- Received positive feedback from industry experts during the competition.

1st Place | Outstanding Students / Mahasiswa Berprestasi (Diploma Program) Faculty of Mathematics and Natural Sciences, University of Lampung (Faculty-Level)
2022

- Recognized for outstanding achievements in the field of science and technology.
- Demonstrated excellence in problem-solving and innovative thinking.
- Conducted independent research on data analytics and statistical modeling.
- Published a research paper on optimizing traffic flow using machine learning algorithms.

3rd Place | Outstanding Students / Mahasiswa Berprestasi (Diploma Program) University of Lampung (University-Level)
2023

- Engineered a traffic light management system using artificial intelligence.
- Utilized Raspberry Pi, Python, and OpenCV for real-time traffic analysis.
- Aligned the project with the United Nations' Sustainable Development Goals (SDGs).
- Contributed to safer and more efficient urban transportation.
- Presented our solution to faculty members and fellow students, emphasizing its impact.

COMPETENCY SERTIFICATION

REKAYASA PERANGKAT LUNAK | Menyelesaikan Aplikasi Pengelolaan Laundry (Kantor Daerah PT. Telekomunikasi Indonesia, Kota Metro)   2022
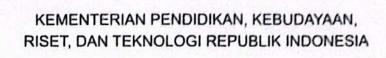
TITLE: Very Competent

- Data Structure Assessment
  - Evaluated and optimized data structures for efficient data storage and retrieval.
  - Implemented algorithms for sorting, searching, and manipulation.
- Structured Programming
  - Developed modular and well-organized code using best practices.
  - Ensured readability, maintainability, and scalability.
- User Interface Design
  - Designed an intuitive and user-friendly interface for the laundry management application.
  - Focused on usability, responsiveness, and visual aesthetics.
- Database Entity Design
  - Modeled the database schema for storing laundry-related information.
  - Defined tables, relationships, and constraints.
  - Created SQL queries for data retrieval, insertion, and updates.
  - Optimized database performance through indexing and query optimization.
- Debugging
  - Diagnosed and resolved software defects.
  - Utilized debugging tools and techniques to identify issues.
- Testing
  - Conducted unit testing, integration testing, and user acceptance testing.
  - Ensured the application met functional requirements and quality standards.

ATTACHMENT

After reviewing my resume, I will promptly attach the following additional documents that provide further support for the information already included:

1. Education certificates
2. Competency certificates
3. Participation records
4. Internship documentation
5. Award competition certificates
6. Digital copy of my university ID

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET, DAN TEKNOLOGI REPUBLIK INDONESIA

I J A Z A H

SEKOLAH MENENGAH KEJURUAN
PROGRAM 3 TAHUN
TAHUN PELAJARAN 2021/2022

Program Keahlian : Teknik Komputer dan Informatika

Kompetensi Keahlian : Rekayasa Perangkat Lunak

Yang bertanda tangan di bawah ini, Kepala SMK Negeri 3 Metro

Nomor Pokok Sekolah Nasional : 10807614

Kabupaten/Kota : Metro

Provinsi : Lampung .... menerangkan bahwa:

nama : AHMAD ANSORI

tempat dan tanggal lahir : Bandar Lampung, 21 September 2003

nama orang tua/wali : Ketut Durma, M. Eng.

Nomor Induk Siswa : 4819

Nomor Induk Siswa Nasional : 0034421882

LULUS

dari sekolah menengah kejuruan setelah memenuhi seluruh kriteria sesuai
dengan peraturan perundang-undangan yang diumumkan pada tanggal 3 Juni 2022.

Metro, 6 Juni 2022

Kepala Sekolah,

Ian Eka Damayanti, S.Kom., M.Ti.

NIP. 198505302009022009

M-SMK/K13-3/ 1280838

DAFTAR NILAI
SEKOLAH MENENGAH KEJURUAN
TAHUN PELAJARAN 2021/2022

Nama : **AHMAD ANSORI**
Tempat dan Tanggal Lahir : Bandar Lampung, 21 September 2003
Nomor Induk : 4819
Nomor Induk Siswa Nasional : 0034421882
Kompetensi Keahlian : Rekayasa Perangkat Lunak

No.	Mata Pelajaran	Nilai Ujian Sekolah
Muatan Nasional		
1.	Pendidikan Agama dan Budi Pekerti	82,00
2.	Pendidikan Pancasila dan Kewarganegaraan	87,00
3.	Bahasa Indonesia	80,57
4.	Matematika	84,43
5.	Sejarah Indonesia	80,00
6.	Bahasa Inggris dan Bahasa Asing Lainnya	84,14
Muatan Kewilayahan		
1.	Seni Budaya	81,67
2.	Pendidikan Jasmani, Olahraga, dan Kesehatan	87,20
3.	Muatan Lokal	
	Bahasa Lampung	85,33
	Pendidikan Anti Korupsi	79,50
Muatan Peminatan Kejuruan		
1.	Simulasi dan Komunikasi Digital	84,22
2.	Fisika	78,56
3.	Kimia	82,47
4.	Dasar Program Keahlian	81,96
5.	Kompetensi Keahlian	84,91
	Rata-rata	82,93

Metro, 6 Juni 2022
Kepala Sekolah,

Erfian Eka Damayanti, S.Kom., M.TI.
NIP 198505302009022009

M-SMK/13

SERTIFIKAT UJI KOMPETENSI
CERTIFICATE OF COMPETENCY ASSESSMENT

Nomor : 421.5/ SRT/301/V.01/SMK3/2022

Dengan ini menyatakan bahwa,
This is to certify that

AHMAD ANSORI

NIS: 4819

Telah mengikuti Uji Kompetensi Keahlian
has taken the competency test

pada Kompetensi Keahlian
in Competency of

REKAYASA PERANGKAT LUNAK

pada Judul Penugasan
on Assignment

Menyelesaikan Aplikasi Pengelolaan Laundry
Complete the Laundry Management Application

dengan predikat
with achievement level

SANGAT KOMPETEN
Very Competent

Metro, 11 April 2022

atas nama SMK Negeri 3 Metro
On behalf of SMK Negeri 3 Metro

ERLIAN EKA DAMAYANTI, S.Kom., M.T.I
NIP 198505302009022009
Kepala Sekolah
School Principal

Kepala Kantor Daerah Telkom
Ka. KanDaTel Metro

AGUNG RAHMAT ZULKARNAIN
NIK 720494
Penguji Eksternal
External Assessor

DAFTAR KOMPETENSI
List Of Competency

No	Kode Kompetensi Code of Competency	Judul Kompetensi Title of Competency	Nilai Score
1	J.620100.004.02	Menggunakan Struktur Data	90
2	J.620100.017.01	Mengimplementasikan Pemrograman Terstruktur	90
3	J.620100.005.02	Mengimplementasikan User Interface	80
4	J.620100.010.01	Menerapkan Perintah Eksekusi Bahasa, Pemrograman Berbasis Teks, Grafik, dan Multimedia	90
5	J.620100.007.01	Mengimplementasikan Rancangan Entitas dan Keterkaitan Antar	90
6	J.620100.020.02	Menggunakan SQL	80
7	J.620100.025.02	Melakukan Debugging	90
8	J.620100.033.02	Melaksanakan Pengujian Unit Program	80

Penguji Internal
Internal Assessor

SYAFRUDDIN, S.Pd., M.Pd.
NIP. 196706272005011002

Penguji Eksternal
External Assessor

AGUNG RAHMAT ZULKARNAIN
NIK 720494
(Kepala Kantor Daerah Telkom Ka. KanDaTel Metro)

SMK BISA-HEBAT

SEAMEO

Sertifikat

Kementerian Pendidikan dan Kebudayaan,

Direktorat Pembinaan Sekolah Menengah Kejuruan memberikan sertifikat kepada :

Nomor : 26410/D5.3/PP/2019

No. Registrasi : 12026403224

AHMAD ANSORI

SMK Negeri 3 Metro Lampung, Kota Metro

Provinsi Lampung

Sebagai Peserta Bidang Lomba Teknologi Internet Of Thing (IOT)

Atas peran sertanya pada

Kamp Kreatif SMK Indonesia (Pembelajaran Daring) KKSI 2019

Jakarta, 4 Desember 2019

Direktur Pembinaan Sekolah Menengah Kejuruan

Dr. Ir. M. Bakrun, M.M.

NIP 196504121990021002

KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
DIREKTORAT JENDERAL PENDIDIKAN DASAR DAN MENENGAH

KAMP KREATIF SMK INDONESIA (PEMBELAJARAN DARING) KKSI 2019
"Menyiapkan Keunggulan Masa Depan"

Nomor : 0697/D2.4/PP/2021
No. Registasi : 32

Sertifikat

Kementerian Pendidikan dan Kebudayaan, Direktorat Jenderal Pendidikan Vokasi,
Direktorat Sekolah Menengah Kejuruan memberikan sertifikat kepada:

Ahmad Ansori

SMK Negeri 3 Metro Lampung, Kota Metro, Lampung

Sebagai **PESERTA** dengan predikat **Ide Karya Tebaik II**
Pada kegiatan Kamp Kreatif SMK Indonesia 2020 **(Topik : Internet of Things)**
yang diselenggarakan pada tanggal 15 September s.d 15 Desember 2020 secara Daring

Jakarta, 19 Februari 2021
Direktur Sekolah Menengah Kejuruan

Dr. Ir. M. Bakrun, MM
NIP . 196504121199002 1002

SMK
BISA-HEBAT

**KEMENTERIAN PENDIDIKAN,
KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS LAMPUNG
FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM**

Piagam Penghargaan

Nomor: 2148/UN26.17/KM/2023

diberikan kepada

Ahmad Ansori

atas prestasinya sebagai

JUARA 1

dalam **Pemilihan Mahasiswa Berprestasi (PILMAPRES)
Tingkat Fakultas Kategori Program Diploma (D3)
Fakultas Matematika dan Ilmu Pengetahuan Alam
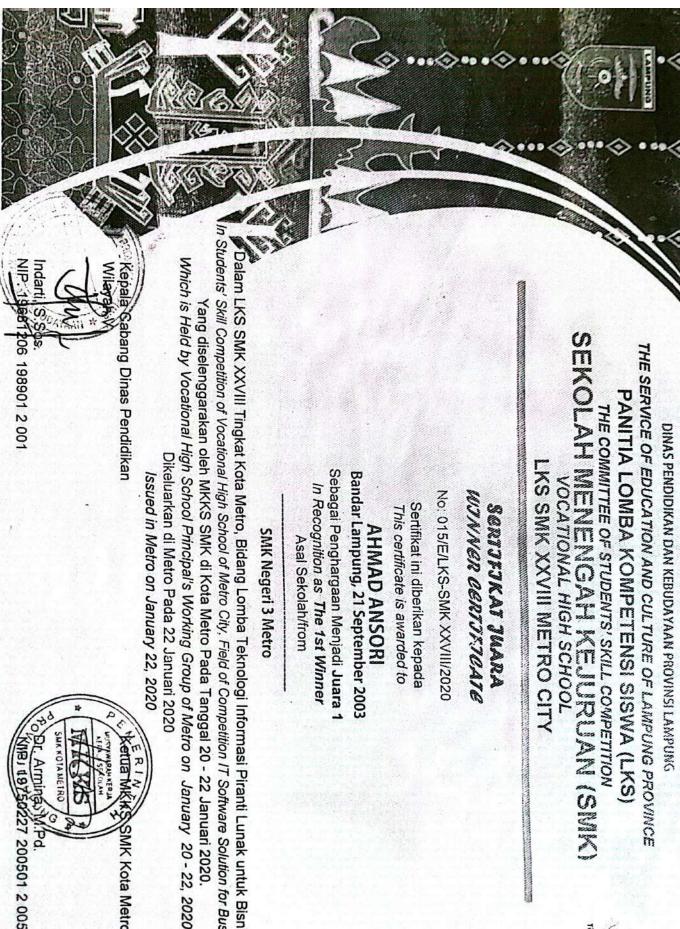Universitas Lampung Tahun Akademik 2022/2023.**

Bandar Lampung, 6 April 2023
Plt. Dekan,

Dr. Eng. Heri Satria, S.Si., M.Si.
NIP 197110012005011002

DINAS PENDIDIKAN DAN KEBUDAYAAN PROVINSI LAMPUNG
THE SERVICE OF EDUCATION AND CULTURE OF LAMPUNG PROVINCE
PANITIA LOMBA KOMPETENSI SISWA (LKS)
THE COMMITTEE OF STUDENTS' SKILL COMPETITION
SEKOLAH MENENGAH KEJURUAN (SMK)
VOCATIONAL HIGH SCHOOL
LKS SMK XXVIII METRO CITY

SERTIFIKAT JUARA
WINNER CERTIFICATE

No: 015/E/LKS-SMK XXVIII/2020

Sertifikat ini diberikan kepada
This certificate is awarded to

AHMAD ANSORI

Bandar Lampung, 21 September 2003

Sebagai Penghargaan Menjadi Juara 1
In Recognition as *The 1st Winner*

Asal Sekolah/from

SMK Negeri 3 Metro

Dalam LKS SMK XXVIII Tingkat Kota Metro, Bidang Lomba Teknologi Informasi Piranti Lunak untuk Bisnis
In Students' Skill Competition of Vocational High School of Metro City, Field of Competition IT Software Solution for Business
Yang diselenggarakan oleh MKKS SMK di Kota Metro Pada Tanggal 20 - 22 Januari 2020.
Which is Held by Vocational High School Principal's Working Group of Metro on January 20 - 22, 2020
Dikeluarkan di Metro Pada 22 Januari 2020
Issued in Metro on January 22, 2020

Kepala Cabang Dinas Pendidikan
Wilayah V

Indarti, S.Sos.
NIP. 19681206 198901 2 001

Ketua MKKS SMK Kota Metro

Dr. Armina, M.Pd.
NIP. 19750227 200501 2 005

Sertifikat

NOMOR :2544/J3/PD/2020

Kementerian Pendidikan dan Kebudayaan, Sekretariat Jenderal, Pusat Prestasi Nasional,
memberikan Sertifikat kepada :

Ahmad Ansori

SMK Negeri 3 Metro ,Lampung

sebagai Juara *Medallion of excellence* Bidang Lomba *Komputasi Awan (Cloud Komputing)*
pada Lomba Kompetensi Siswa (LKS) SMK Tingkat Nasional XXVIII Tahun2020
yang dilaksanakan secara daring pada tanggal 18 Oktober s.d 23 Oktober 2020

"Seraya berharap menjadi bekal pengalaman berharga untuk terus semangat berprestasi mewujudkan
cita-cita yang bermakna bagi diri, keluarga, bangsa, dan negara".

Jakarta, 23 Oktober 2020

Plt.Kepala Pusat Prestasi Nasional

Asep Sukmayadi

NIP. 197206062006041001

LKS SMK
TINGKAT NASIONAL
28
worldskills
Member Of

1200124076

SERTIFIKAT

NO : 6843 / UN26.17 / KM / 2023

Dekan Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Lampung

memberikan penghargaan kepada:

Ahmad Ansori

atas prestasinya sebagai:

JUARA 3

Pemilihan Mahasiswa Berprestasi (Pilmapres) Program Studi Diploma
Tingkat Universitas Tahun 2023.

Bandar Lampung, 13 November 2023

DEKAN

Dr. Eng. Heri Satria, S.Si., M.Si.
NIP 197110012005011002

SERTIFIKAT

6281/UN26.17/DT/2023

Diberikan kepada

Ahmad Ansori

Atas partisipasinya sebagai

Panitia

Pada kegiatan Pengabdian Masyarakat *Upgrading* Mutu Isi dan Metode *Transfer of Knowledge* Mata Pelajaraan Fisika, Biologi, Matematika dan Informatika di Musyawarah Guru Mata Pelajaran (MGMP) SMA Kota Metro pada hari Kamis, 26 Oktober 2023 di SMAN 1 Metro.

Bandarlampung, 23 Oktober 2023
Dekan FMIPA Universitas Lampung

Dr. Eng. Heri Satria, M. Si.
NIP. 197110012005011002.

SERTIFIKAT

No. Sertifikat : 990.231965/IT1.B07.3.7/TU/2021

Diberikan Kepada :

Ahmad Ansori

Asal Sekolah:

SMKN 3 Metro

Hasil Penilaian: BAIK

Atas Partisipasinya Sebagai :

PESERTA

Pada kegiatan PKL/Prakerin & Magang Guru Online Batch-1 yang diselenggarakan oleh
Pusat Penelitian Teknologi Informasi & Komunikasi (PPTIK). Institute
Teknologi Bandung (ITB)
Pada Periode Juli 2021 - Agustus 2021

Mengetahui :

Kepala Pusat Penelitian Teknologi
Informasi & Komunikasi (PPTIK)
Institut Teknologi Bandung

Dr. Ir. Ary Setijadi Prihatmanto
NIP. 19720827 199702 1 003

Kepala Laboratorium IoT
Fakultas Ilmu Komputer
Universitas Bandar Lampung

Maria Shusanti Febrianti, S.Kom.,M.Kom.
NIDN. 0210028602

UNIVERSITAS LAMPUNG

KARTU MAHASISWA

AHMAD ANSORI

2207051001

MIPA

D3 MANAJEMEN INFORMATIKA

SETIAP SEMESTER MAHASISWA HARUS MELAKSANAKAN REGISTRASI ADMINISTRASI DAN AKADEMIK