

GUNTUR AWALUDIN SAPTADI

gunturawaludinsptd@gmail.com || www.linkedin.com/in/guntur-awaludin-saptadi || +62 821 1758 4082

Summary

Fresh graduate in Electrical Engineering with expertise in Fullstack development and machine learning. Proven track record in international competitions and research, with awards including gold medals and best project recognitions. Skilled in Agile project management, with hands-on experience in building innovative tech solutions.

Professional Certification

Huawei	HCIA Certified – AI	26 Jun 2023
Huawei	HCIA Certified – DATACOM	20 Jun 2023

Educational Background

Diponegoro University (Bachelor of Electrical Engineering)	2020 – 2024
<ul style="list-style-type: none">GPA: 3.62, specializing in Information TechnologyFocus on IT development, Machine Learning, and Artificial Intelligence	

Courses & Non Formal Education

Coursera Google	2023
<ul style="list-style-type: none">Foundations Data, Data EverywhereUsing Python to Interact with Operating System	
Cisco Networking Academy® in collaboration with OpenEDG Python Institute	2022
PCAP - Programming Essentials in Python	
Ministry of Communication and Informatics	2022
DTS - Basic Cyber Security	
Institut Teknologi Sepuluh Nopember (ITS) & MICROSOFT	2021
(AZ-900) Microsoft Azure Cloud Infrastructure	
Institut Teknologi Bandung	2020
Thematic course - Nuclear Science and Technology and Nuclear Power Plants	

Internship Experience

PT Telkom Indonesia	1. Implemented JSON Web Token (JWT) user authentication, reducing security risks and eliminating fraudulent authentication attempts.	19 Dec 2022 –
Backend Developer at HCIS	2. Successfully migrated the LaporAja application from .NET to Express.JS	14 Apr 2023
	3. Developed Auto generate PDF templates for submissions form	

Awards & Achievements

• Best Presenter at IC3INA Conference organized by National Research and Innovation Agency (BRIN)	Oct 2024
• Gold Medal Award at World Invention Competition Exhibition	Sep 2024
• Malaysia Young Scientist Organization Special Award	Sep 2024
• IYSA Grand Prize Award at World Invention Competition Exhibition	Sep 2024
• Best Young Inventor Champion Excellence Award at World Young Inventor Exhibition	May 2024
• Gold Medalist at World Young Inventors Exhibition (WYIE), ITEX	May 2024
• Top 5 Outstanding student from Faculty of Engineering	May 2023
• The Most Outstanding student from Electrical Engineering Department 2023	Apr 2023
• Best Project Award at Shell Nxplorers Competition by Shell Indonesia	Apr 2023
• Best Project at Industry, Innovation and Infrastructure Category at IYS	Feb 2023
• Indonesia Delegates for International Conference at IYS 2023, Istanbul Turkiye	Jan 2023
• Silver Medalist – IIIEX Competition at POLINES, Semarang	Nov 2022
• Silver Medalist – Tanoto Student Research Award By Institut Teknologi Bandung	Oct 2022
• Fully Funded Research Project at Shell NXplorers Competition by Shell Indonesia	Jul 2022

International Conference

11th International Conference on Computer, Control, Informatics and its Applications (IC3INA) organized by the National Research and Innovation Agency (BRIN)

Oct 2024

Presented a research paper titled 'Design of Smart Microgrid as an Integration of Electrical Systems with Android Application'. The paper is set to be published in IEEE and indexed by Scopus

Organization Experiences

Student Executive Board of Engineering

Head of Divisions of Research and Technology Department	I am responsible to develop about research and technology work programs, linked to network and media information as head at Research and Technology division.	2022 – 2023
--	---	--------------------

IEEE Student Branch, UNDIP

Research Staff	Contributed to multiple research projects, focusing on innovative engineering solutions in line with IEEE's mission.	2021 – 2022
-----------------------	--	--------------------

Jentayu Virtual Take Off Landing URDC (KRTI)

Programming Division Member	Participated in the development of autonomous drone systems, contributing to technical solutions for national competitions.	2020 – 2023
------------------------------------	---	--------------------

Project Experiences

- | | |
|--|----------------------------|
| • Automated Guided Vehicle with Navigation based on Indoor Positioning System and Artificial Intelligence Algorithm | Mar 2024 – Sep 2024 |
| • Design of Smart Microgrid as an Integration of Electrical Systems with Android Application | Jan 2024 – Aug 2024 |
| • Smart Irrigation and Control Nutrient System for Sustainable Agriculture | Jan 2024 – Apr 2024 |
| • Improved Non-Isothermal Simultaneous Saccharification and Fermentation (SSF) Conversion for Producing Bioethanol from Sugarcane Bagasse through Temperature Control Cycling and Profiling Based on Internet of Things. | Nov 2022 – Apr 2023 |
| • Bio Cell : Contaminated Water Treatment from Metal Vehicle Battery Electric Waste Using Process Bioleaching with Bacteria Arthrobacter Nicotianase and Brevibacterium Helovolum based on Internet of Things | Feb 2022 – Dec 2022 |
| • PAHAMPOLY : Educational Props for Junior High School | Jan 2022 – Aug 2022 |
-

Volunteer

Future Skills and PT CitiAsia Inc organized by UGM <i>Omah Ampiran, Wonolopo Village, Semarang</i>	<ol style="list-style-type: none">1. Implemented sustainable IT development initiatives in Wonolopo Village, resulting in ongoing progress and adaptability to rapid technological advancements.2. Conducted regular assessments, leading to 14 documented alterations for sustained project success.	Mar 2022 – Jul 2022
--	--	----------------------------

Bootcamp Experiences

Bangkit Academy By Google Machine Learning Path	Capstone Project : Mobile apps Food Health Classification Link : https://bit.ly/NutrifactsProjects_Guntur	Aug 2023 – Jan 2024
	<ul style="list-style-type: none">• NUTRIFACTS app facilitates convenient health assessment of food and drinks through barcode scanning.• The app encourages a healthier lifestyle by providing transparent and easily accessible information about consumed products.	
SYNRGY ACADEMY By PT Bank Central Asia Fullstack Developer Path	Capstone Project : KABOOR E-Flight Apps Link : bit.ly/Kaboor_Apps_Project	Sep 2023 – 14 Feb 2024
	<ul style="list-style-type: none">• Kaboor Apps focuses on Fullstack Engineering with a primary emphasis on Android development.• The comprehensive airline ticket reservation application ensures a robust system, covering both front-end and back-end aspects.	

Language Skills

English (Professional Working Proficiency) Service English Unit UNDIP	TOEFL ITP 565	Jan 2024
Duolingo English Test	DET 135/160	Apr 2023