

Muhammad Anang Fathur Rohman

Surakarta, Indonesia | anangmuhammad245@gmail.com | <https://www.linkedin.com/in/muhammad-anang-f/> | github.com/anangfathh

As a computer science major at UNS, I showed great enthusiasm towards Machine Learning and Web Development. My organizational acumen is underscored by a track record of successful leadership in various projects and programs within various entities. In addition, I have a high commitment when working on something and do as much as possible as evidenced by some of my achievements. I am eager to hone my skills further and make substantive contributions to the technology industry.

EXPERIENCE

- **Machine Learning Cohort**, Bangkit Academy, **Aug 2023 - Jan 2024**
As a cohort member, I learned about machine learning, soft-skills, and English.
- **Lecturer's Assistant**, Universitas Sebelas Maret, **Aug 2022 - Des 2023**
In less than three years I have been an assistant lecturer 3 times with 3 different courses including programming concepts, database systems, and object-oriented programming.
- **Peers Tutor**, Bangkit Academy **Oct 2023 - Jan 2024**
As I was deemed to have a proficient understanding of machine learning within the Bangkit Program, I have been appointed as a peer tutor to impart the course material to fellow participants who may be experiencing challenges in grasping the content.
- **Computer Lab Asistant**, Universitas Sebelas Maret, **Sept 2021- Des 2023**
For a duration of approximately two years, I was appointed as a Computer Laboratory Assistant within the Faculty of Mathematics and Natural Sciences. During this time, my responsibilities included the maintenance and upkeep of the computer laboratory.
- **Accreditation Preparation Team Member**, Universitas Sebelas Maret, **Feb 2023 - Mar 2023**
In a brief period, I played a key role in assisting my academic program in addressing accreditation-related matters, resulting in the program being awarded the "Unggul" title.

EDUCATION

- **Universitas Sebelas Maret** **Aug 2021 - 2024 (Expected)**
S1 Informatika | IPK 3.83
I pursued academic coursework encompassing mathematical sciences, web development, mobile development, software engineering, machine learning, and foundational principles of computation.
 - **MA Negeri 1 Surakarta** **Jun 2018 - Jun 2021**
Mathematics and Natural Science Science and Technology Research Boarding School
The highest achieving graduate, achieving an outstanding UTBK average score of 753.54, stands out as the best in the 2021 graduating class and has demonstrated outstanding achievements during the study period.
-

HONORS-AWARDS

- **Competition Excellent Awards Faculty of Information Technology and Data Science 2023, Sebelas Maret University.** **Des 2023**
For all my achievements during 2023, I was awarded as the most excellent student in the field of competition in the faculty of information technology and data science.
- **1st Winner of Gemastik XVI 2023 ICT Scientific Paper Category** **Sep 2023**
As a team leader. My team's paper, "AGU-NET: Attention Ghost U-Net untuk Segmentasi Penyakit Polip Berbasis Citra Biomedis," won in Gemastik's ICT Scientific Paper category. We managed to beat 300+ other teams.
- **Best Paper of Gemastik XVI 2023 ICT Scientific Paper Category** **Sep 2023**
As a team leader. My team's paper, "AGU-NET: Attention Ghost U-Net untuk Segmentasi Penyakit Polip Berbasis Citra Biomedis," was selected as the best paper from all participating teams.
- **1st Place of 11th Airlangga Ideas Competition 2023** **Nov 2023**
As a team leader. My team's paper, "Improved Factorized Residual U-Net untuk Segmentasi Citra Penyakit Polip," won in 11th AIC by UKM Penalaran. We managed to beat 40+ other teams.
- **2nd Winner of UNY Scientific Fair (UNYSEF#12) Scientific Paper Competition, UNY Rector's Cup 2023** **May 2023**
As Researcher. My team's paper, "IMPROVED ATTENTION MOBILEU-NET UNTUK SEGMENTASI CITRA MEDIS POLIP", secured the second position as the winner in this competition.
- **2nd Winner of IT-COMMIT 2022** **Dec 2022**
managed to become the 2nd winner in this event which competes in competitive programming for informatics students of UNS class 2019-2022.
- **Best Staff of OSPRODI 2022** **Dec 2022**
As Head of General Affairs and Media Division, I was chosen as the outstanding staff during the OSPRODI 2022 event.

SKILLS

- JavaScript
- HTML/CSS
- PHP
- Laravel
- CodeIgniter
- Java
- Python
- Tensorflow
- PyTorch
- Figma
- SQL : MySQL and Ms. SQL

PUBLICATIONS

- **AGU-NET: Attention Ghost U-Net Untuk Segmentasi Penyakit Polip Berbasis Citra Biomedis** 31 Oct 2023
Buletin GemasTIK
 - **Improved Attention MobileU-Net untuk Segementasi Citra Medis Polip** 1 Aug 2023
Jurnal Ilmiah dan Penelitian Mahasiswa (JIPPM)
-

ORGANIZATIONAL EXPERIENCE

- **Himpunan Mahasiswa Informatika** Mar 2022 – Jan 2023
Vice Chairman of the Interest and Talent Division
 - **Head of IF SPORT** Mar 2022 – Jan 2023
I ensure that the routine sports activities once a week for UNS Informatics students, which include futsal and badminton, are carried out properly.
 - **PKKMB FATISDA General Affair Staff** Jul 2022 – Sep 2022
I was responsible for coordinating the acquisition of all necessary permits and equipment in preparation for the event.
 - **Head of General Affair and Media Division OSPRODI 2022** Aug 2022 – Oct 2022
I was responsible for coordinating the acquisition of all necessary permits and equipment in preparation for the event and also documenting the event.
 - **P!NGFEST General Affair Staff** Aug 2022 – Nov 2022
I was responsible for coordinating the acquisition of all necessary permits and equipment in preparation for the event.
Laboratorium Komputasi FMIPA UNS
 - **Laboratorium Komputasi FMIPA UNS** Sept 2021 – Des 2023
Head of Organization
 - **Head of Maganger in Labkom 2023** Oct 2023 – Des 2023
I was responsible for conceptualizing and coordinating events, as well as facilitating educational activities during my internship at LABKOM FMIPA.
-

OTHER EXPERIENCE

- **Indosat Ooredoo Hutchison IDCamp Students** Aug 2022 - Des 2023
This program is a bootcamp initiative conducted by Indosat Ooredoo. I underwent training focused on Back-End and React Development as part of this bootcamp.
- **E-Sport Team Manager for FMIPA in OLYMPUS 2022** Oct 2022 - Nov 2022
I was entrusted with the role of E-Sport Team Manager for the FMIPA delegation during the OLYMPUS 2022 event.
- **Interviewee on the podcast "WE TALK : Dari Kita untuk Kampus" held by Direktorat Reputasi Akademik dan Kemahasiswaan UNS** 10 Oct 2023
I received an invitation to impart insights and strategies for competitive engagement on behalf of the university.

PROJECTS AND RESEARCH

- | | |
|--|-----------------------------|
| <ul style="list-style-type: none">● UrbaNexus - Online District Database Management System using Laravel
Laravel-based Domain management system for managing database within Cipayung District, Depok . | Nov 2023 - Des 2023 |
| <ul style="list-style-type: none">● CMAU-Net: An Efficient Neural Network Architecture Based on ConvMix and Multi-Stage Attention for Biomedical Polyp Image Segmentation
Deep neural network designed to achieve accurate segmentation of biomedical image to improve medical diagnostics. | Nov 2023 - Jan 2024 |
| <ul style="list-style-type: none">● NutriChive : Food Ingredient, Recipe, and Nutrition Archive
The Food Ingredient Identification and Recipe Recommendation Mobile Application that helps users identify various food ingredients. | Oct 2023 - Jan 2024 |
| <ul style="list-style-type: none">● Improved Factorized Residual U-Net for Biomedical Polyp Image Segmentation
Deep neural network designed to achieve accurate segmentation of biomedical image to improve medical diagnostics. | Oct 2023 - Jan 2024 |
| <ul style="list-style-type: none">● AGU-NET: Attention Ghost U-Net for Biomedical Polyp Image Segmentation
Deep neural network designed to achieve accurate segmentation of biomedical image to improve medical diagnostics. | Jul 2023 - Sept 2023 |
| <ul style="list-style-type: none">● Ghost Encoder-Decoder for Building Image Segmentation
Deep neural network designed to achieve accurate segmentation of building image. | Jun 2023 - Jul 2023 |
| <ul style="list-style-type: none">● Improved Attention MobileU-Net for Biomedical Polyp Image Segmentation
Deep neural network designed to achieve accurate segmentation of biomedical image to improve medical diagnostics. | Apr 2023 - May 2023 |
| <ul style="list-style-type: none">● DOMAINKU - Online Domain Management System using Laravel
Laravel-based Domain management system for managing domains and servers. | May 2023 - Jul 2023 |
| <ul style="list-style-type: none">● Rest00order - Online Restaurant Order System using Laravel
Laravel-based restaurant order system to enhance order management efficiency and streamline the food ordering process for customers at the restaurant. | May 2023 - Jul 2023 |
| <ul style="list-style-type: none">● BlonjOnline - Online Borrowing System using Laravel
Web-based borrowing system facilitating item management across different units. | Jan 2023 - May 2023 |
| <ul style="list-style-type: none">● Turing Machine Simulator
A web-based simulation project showcasing the implementation and behavior of Turing Machines. | May 2023 - Jul 2023 |
-