Sio Jurnalis Pipin
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GitHub: https://github.com/siopipin/

Personal Details

Name	: Sio Jurnalis Pipin, S.Kom., M.Kom.
Date of Birth	: July 06, 1997
Place of Birth	: Medan, Indonesia
Current Address	: Jln. Puri No. 161, Kota Matsum 1, Kec. Medan Area, Kota Medan

Education

Current Education

2020 - 2021 **Universitas Mikroskil, Medan**
Master's Student in Information Technology, IT Innovation Specialization.
Mikroskil's Scholarship Program.
Thesis: *Deepfake Video Detection Using Spatiotemporal Convolutional Network and Photo-Response Non-Uniformity*.
GPA: 3.87

2015 - 2019 **Universitas Mikroskil, Medan**
Bachelor of Informatics Engineering, Mobile and Web Specialization.
Thesis: Mobile and Web-Based Digital Library Application Using Digital Rights Management (DRM) With Modified Fuzzy C-Means (MFCM) Recommendation System
GPA: 3.64

Technical Skills

Programming language	: Dart, Javascript, Python, PHP, C#, Kotlin
Mobile - Web framework & Tools	: Flutter, ReactJs, NodeJs, Codeigniter, Laravel
Machine Learning framework	: TensorFlow, Keras, PyTorch, Scikit-learn
Other	: Data Visualization, Data Mining, Natural Language Processing, UI&UX, Image/Video Editing and Server Configuration

Professional Experience

2017 - Current	**Universitas Mikroskil**
Feb 2024 - current	**Head of Information Technology School of Continuing Study**
	Planning, developing, coordinating, and managing information technology-related learning programs for students, alumni, and the general public.
Feb 2020 - current	**Lecturer and Researcher**
	Delivering high-quality lectures and conducting research in my area of expertise, which includes information technology, computer science, AI,

	machine learning, big data, Web / Mobile Programming using ReactJs / Flutter, Object-Oriented Programming (OOP), UI/UX and related fields.
Jan 2021 - Feb 2023	**Head of Electronic Learning Subsection**
	Supervising the development and implementation of electronic learning initiatives.
Sep 2017 - Feb 2020	**Computer Lab Assistant**
	Responsibilities as a teaching assistant include assisting students in understanding course materials and laboratory exercises, as well as providing technical support to students for certain courses such as Web Programming using React.js, Mobile Programming using Flutter, Object-Oriented Programming (OOP), Web Design, Basic and Advanced Database Management, as well as Computer Security and Networking
Feb 2019 - Feb 2021	**Global Permata System**
	Full Stack Developer
	Developing mobile and web-based applications, as well as configuring server setups for clients utilizing technology.

Honors & Awards

1. **Mentor Mobile Application Development Training Using Flutter at Wiyata Dharma School, 2023**
   Issued by SMA Wiyata Dharma & Universitas Mikroskil
2. Certificate of Appreciation for PDP Grant Recipient from Kemendikbudristek, 2023
3. **Trainner at Workshop Mobile App Development with Flutter and Dart, 2023**
   Issued by BITSMIKRO
4. **Presenter in The 2022 IEEE International Conference of Computer Science & Information Technology (ICOSNIKOM)**
   Issued by Institut Teknologi Del - APTIKOM
5. **Mentor for the IWDM 2022 program, guiding the team from Mikroskil University**
   Issued by the Ministry of Education, Culture, Research, and Technology, Indonesia.

   As a mentor for the IWDM (Inovasi Wirausaha Digital Mahasiswa) 2022 program, I had the opportunity to provide guidance and support to the team in developing an educational technology startup representing Universitas Mikroskil.

6. Speaker in Webinar : INTRODUCING TO DEEPFAKES, 2022
7. **Speaker in Virtual IT Talk : Basic Designing and Prototyping with Figma, 2020**
8. **Finalist in the Outstanding Student Award (PILMAPRES), 2017, Kopertis 1 Sumatera Utara.**
   Issued by LLDIKTI WILAYAH I

   Proposing the importance of implementing technology to address plagiarism

9. Finalist at IDEAFUSE Region Sumatera in the UI/UX Innovative Idea category, 2017.
10. Finalist at PIN (Pesta Ilmiah Nasional) USU, 2017.

License and certifications

1. Belajar Membuat Aplikasi Flutter untuk Pemula,
   Issued by Dicoding Indonesia, 2022

2. Cloud Practitioner Essentials
   Issued by Dicoding Indonesia, 2022

Research, Publications, Books and Conferences

Feb 2024	*PENGEMBANGAN STARTUP DIGITAL: Referensi Sukses Memulai Bisnis Startup Digital Era Industri 4.0 dan Society 5.0* **[Book]**
Nov 2023	*Literasi Digital: Pengetahuan & Transformasi Terkini Teknologi Digital Era Industri 4.0 dan Sociaty 5.0* **[Book]**
Nov 2023	*Analyzing Sentiment with Self-Organizing Map and Long Short-Term Memory Algorithms*
Oct 2023	*Sentiment Analysis Classification of ChatGPT on Twitter Big Data in Indonesia Using Fast R-CNN*
Aug 2023	*Prediksi Saham Menggunakan Recurrent Neural Network (RNN-LSTM) dengan Optimasi Adaptive Moment Estimation*
Jul 2023	*Pelatihan Instalasi Jaringan Komputer Menggunakan Simulasi Cisco pada SMK Methodist Tanjung Morawa*
May 2023	*Perancangan Ulang UI/UX Mika dengan Metode Design Thinking*
May 2023	*Perancangan Basis Data Relasional untuk Bengkel Sepeda Motor Serba Djadi*
Feb 2023	*Deepfake Video Detection Using Spatiotemporal Convolutional Network and Photo Response Non Uniformity*
Oct 2022	*Analisis Sentimen Kebijakan MBKM Berdasarkan Opini Masyarakat di Twitter Menggunakan LSTM*
Oct 2022	*Evaluasi Usability pada Aplikasi PeduliLindungi Menggunakan Metode Usability Testing*

Current Application Projects

1. Zirmon Dental Mobile & Web App
   Providing applications for dental clinic order and production management in a web application, as well as a customer royalty application in a mobile application.
   Tech stack: NodeJs, ExpressJs, SQL, ReactJs, Flutter, Nginx
   https://apps.apple.com/id/app/zirmon/id1591721810?l=id, web (private only)
2. Customer queue management application (private only)
   Tech stack: NodeJs, ExpressJs, SQL, NextJs
3. My STIKES GS: Mobile Application and Backend for academic information system service of STIKES Gunung Sari
   Tech stack: Flutter, NodeJs, SQL, Nginx
   https://play.google.com/store/apps/details?id=com.stikesgunungsari.sisfo_mobile
4. SJS+: online employee application
   Tech stack: Flutter, FCM, Firebase
5. Tembakul Apps - Dinas Perkebunan dan Peternakan Kabupaten Kubu Raya
   Tech stack: Flutter, NextJs, Vercel, SQL
   https://play.google.com/store/apps/details?id=com.app.tembakul_mobile

   and others...

Others

Languange : Intermediate in English, and Bahasa Indonesia

Club & Societies : - Chairman of the student organization "One-MITS" Master of Information
Technology at Universitas Mikroskil, 2021.
- Chairman of the student organization "BITSMIKRO" informatics engineering
program at Universitas Mikroskil, 2017.