

# RYAN RADITYATAMA

Phone: +62 813-8764-3604 (Indonesia, Whatsapp Integrated) | +86 15600672414 (China)

Email: ryradit@gmail.com

LinkedIn: linkedin.com/in/ryan-radityatama

"Proficient and results-driven Computer Science graduate with a strong foundation in natural language processing, data management, and Android application development. With extensive experience in leading international IT projects and optimizing system efficiency, I have successfully managed databases, ensured data security, and facilitated cross-institutional collaboration in higher education. Known for my problem-solving abilities and technical expertise in AI, mobile app development, and international project coordination, I am seeking to leverage my skills in a challenging AI Engineering or technical leadership role."

## EDUCATION

---

**BSC BEIJING INSTITUTE OF TECHNOLOGY** 2015 - 2019

Computer Science and Technology

Thesis: Android Based Mobile Application for Finding Nearby Sports Field and Online

**BSC UNIVERSITAS MERCU BUANA** 2015 - 2019

Computer Science, Informatics Engineering

Cumulative GPA: 3.88/4.0

Thesis: Android Based Mobile Application for Finding Nearby Sports Field and Online

**MSC BEIJING INSTITUTE OF TECHNOLOGY** 2022 - 2024

Computer Science and Technology

Thesis: Research on Indonesian Large Language Models Fine-Tuning for Mental Health

## WORK EXPERIENCE.

---

**International Relations Officer and IT Staff - International Office Bureau** Sep 2019 – Oct 2022

Universitas Mercu Buana

- **Data Management & Integration:** Supervised the development and maintenance of comprehensive databases for international cooperation projects, ensuring seamless data integration and accuracy across systems.
- **Technical Support & Training:** Provided robust technical support and training to staff and international partners, enhancing system usability and data management practices.
- **System Optimization & Security:** Led initiatives to optimize IT systems and implement data security measures, resulting in a 20% improvement in process efficiency and adherence to international data protection regulations.
- **Project Coordination & Reporting:** Coordinated IT support for international projects, developed customized reporting tools, and generated detailed reports on project progress and system performance for stakeholders.
- **Tasked with building relations** between two institutions, both institutions within universities and other agencies, including the government and the private sector in education path, implemented in cooperation document such as MoU, MoA, and IA.

- Creating an international program that is packaged in a cooperation agreement between two agencies such as student exchange, double/joint degree and short course programs
- Maintain the website of the international relations unit, creating online registration flow, maintain data from international programs in cloud form.

### **IT Relations Supervisor- International Office Bureau**

Oct 2022 – Feb 2023

Universitas Mercu Buana

- **IT Infrastructure Management:** Oversaw the deployment and maintenance of IT infrastructure to support international cooperation activities, ensuring consistent availability and performance of key systems.
- **Team Leadership:** Led a team of IT professionals of International Office Bureau, delegating tasks, mentoring staff, and monitoring progress to ensure efficient operations and timely project completion.
- **System Optimization:** Directed the enhancement of existing IT systems to meet the evolving needs of international programs, resulting in a 15% improvement in operational efficiency.
- **Data Security & Compliance:** Implemented advanced security protocols and compliance measures, ensuring adherence to international data protection standards and safeguarding sensitive information.
- **Process Automation:** Spearheaded the automation of routine administrative processes, streamlining workflows and reducing manual workloads by 25%.
- **Project Management:** Managed IT projects related to international collaboration programs, including system upgrades, cloud migrations, and custom application development.
- **Interdepartmental Collaboration:** Collaborated with various departments to align IT strategies with institutional goals, facilitating smooth communication and data exchange across units.
- **Performance Monitoring:** Established metrics and monitoring systems to evaluate IT performance, identify improvement areas, and ensure the reliability of IT services.

### **Chair of Election Voting Section**

Feb 2024 – Mar 2024

Indonesian Embassy for Beijing

- Arranged and prepared all necessary equipment at the TPS, ensuring accessibility for all voters.
- Supervision of Voting process, ensure that the voting is conducted according to applicable regulations. The Chair must ensure that voters cast their votes independently and confidentially.
- Supervision of Vote Counting, after the voting concludes, the Chair is responsible for a transparent and accurate vote counting process. This includes opening the ballot boxes, counting the votes, recording the results, and tallying the votes at the TPS.

- Reporting, compile and send a report of the voting and counting results to a higher level, namely the Chairman of Election. The report must be accurate and submitted within a specified timeframe.
- Coordination with election supervisors, party representatives, and security personnel to ensure that no unlawful activities occur during the election.
- Voter Education provide information and education to voters about the correct voting procedures and maintain order and confidentiality throughout the election process.

## PROJECT EXPERIENCE

---

- **Key Project Experience: Developing "Let's Sweat" Android Apps** - 2019
  - Objective: Connect individuals with shared hobbies for group activities.
  - Responsibilities: End-to-end development, including conceptualization, UI/UX design, coding, and testing.
  - Key Features: User profiles, Activity feeds, Event scheduling, Real-time notifications
  - Technology Stack: Java, Android Studio, Firebase for backend services and real-time data synchronization.
  - Outcome: Promoted an active lifestyle and fostered community engagement.
- **Key Project Experience: Automation PDF Creation of Alumni Review and Tracer Study Documentation Using Google Script at Universitas Mercu Buana** - 2022
  - Script Development for PDF Generation: Created Google Scripts to automatically generate personalized PDF documents for each student submission. These PDFs included customized data from Google Form responses.
  - Integration with Google Forms and Sheets: Linked Google Forms with Google Sheets to streamline data flow and ensure that all responses were accurately captured and processed.
  - Automated Email Delivery: Configured automated email notifications to send the generated PDFs directly to students, providing instant confirmation of their submission.
  - Error Handling and Logging: Implemented logging functions to monitor PDF generation and email delivery, ensuring reliable performance and quick troubleshooting.
- **Indonesian LLM fine-tuning project** - 2024  
Developed an NLP model for mental health language analysis on Research Lab NLP-IR – Beijing Institute of Technology
- **Palm Tree Detection and Counting Models - PT Digital Sawit Pro** - 2025  
Developed a computer vision models using Python to detect and count palm trees in plantation images. The program processes input images, overlays numbered bounding

boxes on detected trees, and outputs a JPEG image to aid plantation inventory management.

## HONORS AND AWARDS

---

- **Paper (Thesis)**, Universitas Mercu Buana, Jakarta, Indonesia 2019  
Faculty's Best Thesis  
Best thesis in Faculty of Computer Science with subject "Android Based Mobile Application for Finding Nearby Sports Field and Online"

## ORGANIZATIONAL EXPERIENCE

---

**Lingkar Pengajian Beijing**, Beijing, China

Graphic Designer

- Creating Islamic weekly content in digital or canvas form such as posters, banners.

**BIT Indonesia**, Beijing, China

Relations External & Sports Division Head

- Building relations between Indonesians in Beijing Institute of Technology. Create events and organize sports weekly.

## SKILLS

---

1. **AI & NLP**: PyCharm, TensorFlow, PyTorch, Hugging Face Transformers, GPT, Data Analysis, Pandas, scikit-learn, Jupyter Notebooks, Google Colab.
2. **Computer Vision & Image Processing** : Vision Transformer (ViT), MLP, OpenCV, YOLO, NumPy, Matplotlib, scikit-learn, R-CNN, CNN.
3. **Programming & Scripting**: Java, Kotlin, NoSQL, PHP, Javascript, HTML/CSS, Google Apps Script.
4. **Graphic and Video Designing**: Photoshop, Premiere, After Effects.
5. **Computer Literacy**: Ms. Word, Excel, Access, Powerpoint.
6. **Project Management**: Technical Support, Data Integration, System Optimization.
7. **Networking Configuration**: Mikrotik, LAN, WAN

## LANGUAGES

---

**Indonesian**: Native proficiency

**English**: Fluent (professional working proficiency)

**Mandarin**: Conversational (can engage in basic conversations)

**Dutch**: Conversational (familiar with basic phrases and vocabulary)