

# PANDU TRI PRAPTOMO

pandutriprompto@gmail.com |  [Linkedin](#) |  [Github](#) |  [Medium](#) | [Portofolio](#)

## PROFILE SUMMARY

Highly analytical Informatics student with proven experience in **data analytics, business intelligence, and developing tech-driven solutions**. Eager to apply strong proficiency in **SQL, Excel, Python, and BI** tools like **Looker Studio, Power BI, and Tableau** to drive **meaningful change** and **solve complex challenges** in a dynamic data analyst role. Demonstrated ability to build innovative business foundations by streamlining reporting processes and enhancing operational visibility through real-time dashboards. Possesses excellent problem-solving, communication, and cross-functional collaboration skills, with a passion for transforming real-world challenges through technology and an entrepreneurial mindset.

## PROFESSIONAL EXPERIENCE

- Central Bank of Indonesia | Data Analyst (Internship)

| Mar 2025 – Present

  - Applied a **tech-driven mindset** to develop and maintain internal systems using Microsoft PowerApps, fostering **seamless collaboration** across multiple departments and showcasing an **innovative business foundation**.
  - Developed interactive dashboards and Excel VBA tools to **automate** financial budget execution, significantly **improving real-time visibility and operational transparency**—a clear example of delivering **tech-driven solutions for meaningful change**.
  - Designed operational dashboards in Looker Studio and Google Sheets to visualize key financial KPIs, supporting **timely and data-informed decisions** across business units and addressing **real-world challenges** through technology.
  - Processed and visualized over 5,000 rows of financial data, ensuring high data accuracy and **accelerating reporting cycles by over 50%**.
  - Collaborated with **cross-functional teams** to track KPIs and improve performance monitoring, reflecting a **data-driven approach** to internal operations.
- PT Bank Rakyat Indonesia Tbk | Data Analytics (Internship) | [Link](#)

| Aug 2024 – Feb 2025

  - Automated and scaled enterprise dashboards using Excel VBA, Tableau, and Looker Studio to monitor financial KPIs and pipeline metrics, **enhancing operational visibility and reducing manual reporting time by 50%** – a clear example of **delivering tech-driven solutions** for **meaningful change**.
  - Conducted sentiment analysis on over 27 million Google reviews, delivering real-time insights through daily dashboards to support service enhancement and agile decision-making, showcasing the ability to **solve real-world challenges through technology**.
  - Developed predictive credit risk scoring models using SQL and Python, **improving loan approval accuracy by 20%** and supporting risk mitigation efforts aligned with cross-functional teams, highlighting a **data-driven approach** to complex business problems.
  - Cleaned and restructured over 20 million customer data entries, **improving data quality to 98%**, ensuring reliable analytics and **data-driven business decisions**.
  - Built geospatial dashboards using ArcGIS and Google Earth Engine, identifying high-potential MSME zones to enable targeted, data-backed credit distribution strategies – demonstrating **innovation** and **real impact** through technology.
  - Authored and maintained Business Requirement Documents (BRDs) in Confluence and Jira, facilitating **clear cross-functional alignment** between stakeholders and technical teams, essential for **building innovative business foundations**.
- PT Propertree Investa Cendikia | Frontend Developer (Internship) | [Link](#)

| Apr 2024 – Jul 2024

  - Developed and optimized web applications using React and Next.js, **improving user experience (UX) by 30%**. This showcases the application of **tech-driven solutions** to enhance digital products.
  - Automated data workflows with SQL queries, **increasing data retrieval efficiency** and supporting data-driven processes.
  - Reduced website load time by 30% through targeted performance optimization techniques, **enhancing overall application responsiveness**. This demonstrates contributing to **meaningful change** through technical improvements.
  - Built reusable UI components to **accelerate development cycles** and ensure consistency across projects, reflecting an **innovative approach** to improving development efficiency and collaboration within a technical team.
  - Collaborated with the development team to deliver presentable demos and status updates to project managers and non-technical stakeholders, highlighting **cross-functional communication** skills essential for real-world projects.

## EDUCATION

- Asia e University, Subang Jaya, Malaysia

Aug 2022 - Present

Bachelor Information Technology, (Specializing in Data) Latest GPA: 4.00/4.00
- University of Al-Azhar Indonesia, Jakarta, Indonesia

Sept 2024 - Present

Bachelor of Informatics, (Specializing in Data) Latest GPA: 3.36/4.00

  - 100% Scholarship Awardee Coding Camp 2025 powered by DBS Foundation in Machine Learning Class
  - Assisten Lecturer in Data Mining Subject
- CEP CCIT Faculty Engineering University of Indonesia, West Java, Indonesia

Aug 2022 – Nov 2024

Associate's Degree of Information Technology, Latest GPA: 3.29/4.00

  - Best Project IoT in Faculty – Weather Monitoring System with Integration Android & IOS Mobile

## CERTIFICATE

- [Professional Certificate Microsoft Business Analyst](#) | Feb 2025
- [Professional Certificate Specialization Google – Data Analytics](#) | Dec 2024
- [Professional Certificate Specialization Meta – Data Analyst](#) | Dec 2024
- [Professional Program Certificate in Information Technology \(IoT\) – Center for Computing and Information Technology \(CCIT\), Faculty of Engineering, University of Indonesia](#) | Nov 2024
- [Big Data & Analytics – Cisco Networking Academy](#) | Dec 2023

## SKILL

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- **Data & Analytics Tools:** SQL, Python, Excel, Tableau, Power BI, Looker Studio – for tech-driven solutions & business intelligence.
- **Visualization & Reporting:** Real-Time Dashboarding, Report Automation, KPI Monitoring, Data Storytelling.
- **Business & Analytical:** Market Research, Operational Analysis, Risk Scoring, Budget Tracking – driving meaningful change & entrepreneurial thinking.
- **Collaboration & Soft Skills:** Confluence, Jira; Analytical Thinking, Problem Solving, Collaboration, Communication – essential for innovative initiatives & real-world challenges.
- **Language:** Indonesian (Native), English (Professional).

## ORGANIZATION EXPERIENCE

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### Chief Education Teacher – Android Community (KOMANDRO), Universitas Indonesia

| Sept 2022 – Present

- Designed and delivered structured training materials on programming, web development, IoT, and Android development to enhance member capabilities.
- Led multiple technical projects from planning to successful execution, ensuring effective resource allocation and timeline management.
- Provided weekly progress reports to division heads, aligning educational initiatives with organizational objectives.
- Mentored junior members to build their technical competencies, fostering a collaborative and innovative learning environment.

### Web Developer Member – Google Developer Student Clubs, Universitas Indonesia

| Sept 2022 – Present

- Collaborated in a cross-functional team to design and develop responsive, user-friendly websites aligned with modern UX best practices.
- Contributed to student-led tech initiatives by supporting front-end development, ensuring consistent design implementation and functionality.
- Gained practical experience in web development workflows, from prototyping to deployment, strengthening technical and teamwork skills.

### Team Member – TIM Robotic Universitas Indonesia

| Jan 2022 – Sept 2024

- Contributed to the end-to-end development of a submarine robot, focusing on system design, programming, and testing for both competitive and real-world applications.
- Collaborated with a multidisciplinary team to integrate advanced IoT and control systems, enhancing automation, performance, and operational reliability.
- Represented the university in national and international competitions, presenting innovative robotic solutions aligned with emerging technology trends and real-industry challenges.

## PROJECT

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### Microloan Performance & Risk Monitoring Dashboard | [Link](#)

**Tools Used:** Looker Studio, SQL, Python | **Context & Challenge:** Fragmented datasets and manual processes hindered real-time visibility into microloan opportunities and credit risk. Operational teams lacked daily insights for tracking loan performance across different business stages.

#### Action & Result :

- Developed a Looker Studio-based application dashboard, a **tech-driven solution**, enabling operational teams to monitor loan pipelines and regional conversion in real-time, thereby **improving operational visibility** across business units.
- Automated data workflows using SQL and Python, **reducing data processing time by 70%** and minimizing manual reporting efforts, showcasing an **innovative approach** to efficiency.
- Supported daily coordination among teams by consolidating previously fragmented data into a single, unified, and accessible dashboard application, contributing to **meaningful change** in data access.
- Co-designed KPI dashboards for DPK and NPL, enabling **risk-informed decisions** and proactive performance management, directly addressing **real-world challenges** through data.

### Recovery DH Monitoring Dashboard | [Link](#)

**Tools Used:** Looker Studio, SQL, Python | **Context & Challenge :** Monitoring and improving the recovery process of delinquent loans (DH) across various regions in Indonesia was challenging due to fragmented data and lack of real-time insights.

#### Action & Result :

- Collaborated with both central and regional teams to develop a real-time dashboard application that tracks delinquent loan recovery by region and unit, **improving operational oversight** and demonstrating **tech-driven solutions** for **real-world challenges**.
- Designed KPI visualizations such as recovery rate, overdue age, and resolution time to support daily operational activities and executive decision-making, contributing to **meaningful change** through **data-driven insights**.
- Automated data integration and transformation workflows using SQL, which streamlined analysis and **reduced manual reporting efforts**, showcasing an **innovative approach** to efficiency.
- Enhanced coordination between central and regional teams by consolidating data into a unified, accessible dashboard, significantly **improving recovery efficiency and response times**, thus building an **innovative business foundation** for loan recovery.

### Revolutionizing Business Intelligence in the Banking Industry | [Link](#)

**How Remote Sensing and Satellite Data Enhance Agricultural MSME Credit Distribution | Tools Used:** Google Earth Engine, Power BI, ArcGIS, Python | **Context & Challenge:** Agricultural MSME lending faces risks due to limited financial history, unpredictable weather, and manual credit assessments.

#### Action & Result :

- Collaborated with credit and data teams to integrate satellite indicators (NDVI, CHIRPS rainfall) with banking credit data, **increasing loan allocation accuracy from 58.5% to 66.3%**. This exemplifies **delivering tech-driven solutions** for **meaningful change** in a **real-world challenge**.
- Co-developed the Village Sustainability Potential Index (VSPI) as a KPI to assess creditworthiness and support strategic loan disbursement decisions, demonstrating an **innovative approach** to risk assessment and an **entrepreneurial mindset**.
- Delivered actionable geospatial dashboards using Power BI and ArcGIS, enabling enterprise credit teams to make **data-driven daily decisions**.
- Built Python- and SQL-based data pipelines for real-time loan risk monitoring, aligning environmental conditions with financial planning and risk management, showcasing the ability to **build innovative business foundations** through technology.