**Shella Valensia Sitanaya**   
shellasitanaya@gmail.com | https://www.linkedin.com/in/shellavalensiasitanaya | 081385613902 | github.com/shellasitanaya

I am a detail-oriented Business Information Systems student with strong skills in Python, SQL, and Excel, while actively developing my skills in Power BI for dashboards and business reporting. Through projects and competitions, I have gained experience in predictive analytics, logistics optimization, and statistical analysis. With both technical expertise and organizational leadership experience, I am eager to contribute to data-driven decision-making at Samator Group while continuously expanding my expertise in analytics and business intelligence.

**EDUCATION​**  
​

|  |  |  |
| --- | --- | --- |
| **Business Information System Student - (Petra Christian University)**​ | | (2023) - (Now) |
| ●​ | Current GPA: 3,94/4.00 | |
| ●​ | Relevant coursework: Business Intelligence, Design Analysis of Information Systems, Artificial Intelligence & | |
| Machine Learning, Business Process Analysis, Multi Criteria Decision Making, Statistics. | | |
| **High School Diploma – (High School 1 Ambon)​** | | (2020) – (2023) |
| ●​ | Majoring in Natural Sciences. | |
| **PROJECTS**  ​ | | |
| **Predictive Maintenance for Paving Machines - FACT Program -** Access repository here​ | | (Jan, 2025) |

***Tech stack: Pandas, Matplotlib, NumPy, Streamlit, Seaborn***  
 ●​ Achieved **3rd place** in Freshmore Asian Cross-Curricular Trip Hackathon   
 ●​ Built a machine learning model to forecast paving machine failures, reducing potential downtime   
 ●​ Designed an interactive Streamlit dashboard for real-time monitoring and decision-making   
**Genetic Algorithms for Logistics Optimization -** Access details here​  
 (April, 2025) ***Tech stack: Python, Matplotlib***   
 ●​ Developed a logistics optimization system using Genetic Algorithms to solve Vehicle Routing Problems (VRP) and reduce operational costs   
 ●​ Improved route efficiency and profit maximization by implementing key GA components (chromosome design, tournament selection, crossover, mutation)   
**Car Price Prediction Model -** Access notebook here​ (Jan, 2025) ***Tech stack: Python, Scikit-learn, Pandas, XGBoost, Matplotlib***  
 ●​ Built a ML process for car price prediction, including data preparation, feature engineering, and model training ●​ Optimized model performance with K-Fold Cross-Validation, where XGBoost achieved the lowest MAE

**Statistical Analysis Project: Obesity Risk Factors -** Access notebook here​ (June, 2024) ***Tech stack: Python, Pandas, NumPy, Matplotlib, Seaborn, SciPy***  
 ●​ Executed EDA on obesity dataset, generating visualizations (histograms, heatmaps) to identify key patterns.

●​ Applied statistical hypothesis testing (ANOVA, Chi-Square) to validate significant risk factors (family history, diet, physical activity).

**Smart CV Analyzer & Optimizer -** Access details here​ (Ongoing, Sept 2025) ***Tech stack: React, Flask, OCR, NLP***   
 ●​ Developing an AI-powered recruitment platform to streamline CV screening, candidate ranking, and centralized dashboards   
 ●​ Implementing a job-seeker module that provides keyword scoring and real-time recommendations to optimize CVs for ATS selection.

**COMMITTEE EXPERIENCES**



**Head of Life Enrichment 13 2024 -** Access social media here**​** (August, 2024) – (November, 2024) ***Soft Skills: Leadership, Public Speaking, Strategic Planning, Team Management***  
 ●​ Led a team of 70+ members to organize a university-wide event attended by 1,200+ freshmen   
 ●​ Designed the event’s core concept on self-worth and personal growth, integrating activities, discussions, and performances

|  |  |  |
| --- | --- | --- |
| ●​ | Oversaw the full event cycle from strategic planning to execution | (January, 2025) – (July, 2025) |
| **Vice Coordinator of Event Division, Welcome Grateful Generation 2025 ​** | |

***Soft Skills: Leadership, Communication, Adaptability, Supervision, Event Planning***

|  |  |
| --- | --- |
| ●​ ●​ ●​ | Supervised 20+ members in delivering the annual orientation program for 1,000+ new students Coordinated across 8 divisions to ensure clear communication and smooth event execution Access social media here |

**Member of IT Division, Battle of Minds 2023​** (May, 2023) - (June, 2023) ***Tech Stack: HTML, CSS, JavaScript, Bootstrap***   
 ●​ Battle of Minds (BOM) is a logic and mathematics competition for high school students, aiming to challenge and enhance their analytical thinking skills   
 ●​ Developed registration forms and competition phase tracking section to manage participant progress throughout the event   
**Member of IT Division, TKMDII 2025​** (May, 2025) - (August, 2025) ***Tech Stack: HTML, CSS, Laravel***   
 ●​ Built the official landing page, providing a clean and user-friendly hub for event information   
 ●​ Access website here

**ORGANIZATIONAL EXPERIENCES**



**Vice Head of HIMAINFRA 2025/2026​** (August, 2025) - (Now) ●​ Directed two divisions (Creative & Branding, Information Systems), leading 37 members serving 600+ Informatics students   
 ●​ Ensured strategic alignment and cross-divisional collaboration to achieve organizational goals   
**Information System Division Member, BEM 2024/2025 ​**  
 (August, 2024) - (July, 2025) ●​ Led the development of the BEM Petra Store, the official e-commerce platform used by 4,000+ students and 20+ campus events. Access website here

|  |  |  |  |
| --- | --- | --- | --- |
| ●​ | Built an admin website for internship schedule management, streamlining administrative workflows | | |
| ●​ | Developed an API-driven system to automate monthly event updates on the main website. Access website here | | |
| **Information Technology Division Member, PERS MAHASISWA 2023/2024​** | | | (August, 2023) - (July, 2024) |
| ●​ | Designed and developed a centralized portal for media coverage requests, improving organizational workflow | | |
| ●​ | | Implemented the front-end for Web Photostory Vol. 10, a digital multimedia storytelling platform | |
| ●​ | | Provided community support through the official LINE account, ensuring timely responses to inquiries | |

**VOLUNTEERING EXPERIENCES**   
​

**Tutor, Bojapro Coding School ​** (Dec, 2024) – (March, 2025) ***Soft Skills: Adaptability, Creative Lesson Planning, Patience, Empathy***   
 ●​ Taught fundamental coding (Scratch, Python) and computational logic to students aged 5-17   
 ●​ Designed and delivered interactive, creative lesson plans that increased student engagement and problem-solving abilities

**HONORS & AWARDS**   
​

**Jatim Datathon Finalist (Top 8 Team) -** Access detail here**​ ​** **​** **​** **​** **​** (Sept, 2025)

●​ Analyzed critical issues in the current farmer insurance system (AUTP), such as unfair premiums and a significant drop in participation   
●​ Developed a data-driven solution by creating a formula to calculate a risk score for each district based on historical data of floods, droughts, and pest attacks.

**SKILLS**   
​

**Language:** Bahasa Indonesia (native), English (proficient)   
**Technical Proficiencies:**   
 ●​ Data & Analytics: Python (Pandas, NumPy, Scikit-learn), SQL, Excel, Power BI, Streamlit, Statistical Analysis (SciPy), Data Visualization, Predictive Modeling

|  |  |
| --- | --- |
| ●​ | Web & Programming: Laravel, HTML, Java, JavaScript, Tailwind CSS, Git |
| ●​ | Design & Analysis: UI/UX Research, Systems Analysis, Business Process Modeling |
| **Interpersonal Skills:** Analytical Thinking, Communication, Leadership, Team Management​ | |