FERREL NATHANAEL WINATA

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I am a 5th-semester Data Science & Analytics student at Petra Christian University, passionate about transforming data into meaningful insights that drive smarter business decisions. Skilled in Python, SQL, data visualization, and machine learning, I enjoy uncovering patterns, creating insightful dashboards, and turning raw data into actionable strategies that support organizational growth.

Through hands-on academic and personal projects in data mining, AI applications, and web-based analytics systems, I have developed strong technical proficiency and a deep analytical mindset. I've also created interactive dashboards using Power BI and Tableau, which strengthened my ability to communicate insights effectively.

Beyond academics, I have actively participated in over 20 campus events and held leadership roles that honed my problem-solving, teamwork, and decision-making skills. These experiences taught me how to manage complex operations, coordinate teams, and deliver results efficiently, which are qualities I aim to bring into a professional, data-driven environment.

I aspire to pursue a career as a Data Analyst, where I can apply my analytical and technical skills to extract insights, improve reporting systems, and contribute to impactful, data-informed decisions within a collaborative and learning-oriented team.

Work Experiences

Graha Course - **Surabaya, Indonesia**   May 2023 - Present
Teaching Assistant

- Taught 150+ junior high school and senior high school students in various subjects, including Mathematics, Physics, Chemistry, Accounting, and Economics.
- Designed and adapted lesson materials to match students' learning needs and school curriculum.
- Guiding students through problem-solving strategies, helping them build critical thinking and analytical skills.
- Improved students' academic performance through personalized teaching methods and consistent progress monitoring.
- Strengthened communication, patience, and adaptability while managing diverse student learning styles.

Education

Universitas Kristen Petra - **Surabaya, Indonesia**   Aug 2023 - Jul 2027 (Expected)
Bachelor of Data Science & Analytics, 3.73/4.00

- Managed logistics, multimedia, and security teams across 20+ campus events, strengthening leadership, teamwork, and organizational skills.

Organization Experience

HIMAINFRA - **Surabaya, Indonesia**   Jul 2025 - Present
Head of Academic Department

Executive student organisation on Major Level, overseeing 3 programs, namely: Informatics, Business Information Systems, and Data Science and Analytics.

- Supervised and provided strategic direction for 4 departmental events as a Steering Committee
- Reviewed and approved proposals to ensure goal alignment, while implementing a workflow system that reduced planning time by 50% and improved team efficiency.
- Coordinating with 30+ lecturers, student tutors, and external partners to create impactful learning experiences.
- Initiating and securing a partnership with Avalanche Labs, the company behind the Avalanche blockchain, to expand learning opportunities and industry collaboration.
- Fostering team growth through guidance, delegation, and performance evaluation.

HIMAINFRA - **Surabaya, Indonesia**   Aug 2024 - Jul 2025
Member of Academic Department

- Organized the Tutorial for Odd Semester Final Exams 2024/2025, an academic support program attended by 120+ students, achieving a participant satisfaction rate of 80%, aimed at enhancing exam readiness.
- Organized Blockchain 101: Unlocking the Future of Technology, featuring a guest speaker from Taranium Foundation, the first Indonesian blockchain platform built on Ethereum Virtual Machine (EVM). The event was attended by 85+ participants and achieved a

91% participant satisfaction rate.
- Coordinated with 20+ lecturers, student tutors, and industry professionals to deliver impactful academic and technology-focused events.

Skills

- **Python for Data Science** (2024): Experienced in applying Python and its core libraries (NumPy, pandas, matplotlib, seaborn, scikit-learn) in various data analysis and visualization projects for both academic assignments and personal projects.
- **Web Development with Laravel & Frontend Integration** (2024): eveloped full-stack web applications using Laravel, with a portfolio project of an illustration e-commerce site (Illustrasia). Understands the importance of integration with modern frontend frameworks like React and Vue to enhance user experience, and planning to learn them to strengthen frontend skills.
- **Big Data with Apache Spark** (2025): Performed distributed big data processing using Apache Spark in a Jupyter Notebook environment for data analysis and performance benchmarking purposes.
- **Tableau** (2025): Proficient in creating dynamic and interactive dashboards in Tableau for data visualization and storytelling. Experienced in building calculated fields, using parameters and filters, and designing dashboards that deliver clear and actionable insights across multiple projects.
- **Power BI** (2025): Experienced in building interactive dashboards and reports using Power BI to analyze business performance and uncover insights. Skilled in DAX, Power Query, and data modeling, with hands-on experience from multiple projects focused on sales analysis, customer insights, and operational reporting.
- **Database Querying with SQL** (2024): Proficient in querying and managing relational databases using SQL, with hands-on experience in data extraction, transformation, and analysis across multiple projects.
- **Deep Learning** (2025): Possesses a strong understanding of foundational deep learning principles with practical experience in implementing models using Python frameworks like TensorFlow and PyTorch.
- **Statistical Analysis with R** (2025): Utilized R and RStudio to perform statistical modeling and hypothesis testing, applied to coursework and survey data analysis.
- **Java Programming** (2023): Learned fundamental object-oriented programming concepts using Java through classroom instruction, live coding sessions, and problem-solving (debugging) practices.
- **Game Development with LibGDX** (2024): Developed a 2D space shooter game using the Java-based libGDX framework.
- **Productivity Tools** (2023): Proficient in using various productivity tools such as Google Workspace (Docs, Sheets), Canva, and Microsoft Office for academic and organizational documentation purposes.
- **Language** ⊘: English, Chinese
- **Soft Skills**: Analytical Thinking, Problem Solving, Communication, Attention to Detail, Adaptability, Leadership