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Education

Columbia University   **New York, NY**
M.S. in Business Analytics   *Aug 2024 - Expected Dec 2025*
Relevant Coursework: Data Analytics, Business Analytics, Marketing Analytics, Cloud Analytics, Risk Analytics, and Probability & Simulation

New York University   **New York, NY**
B.S. in Data Science, ***GPA: 3.71 Dean's List***   *Sep 2021 - May 2024*
Relevant Coursework: Data Structures, Advanced Machine Learning, Causal Inference, Data Management & Analysis, Natural Language Processing, Linear Algebra, Probability & Statistics, Responsible Data Science and Deep learning.

Professional Experience

Cooked.ID   **Jakarta, Indonesia**
Founder   *Jun 2021 - Present*
- Launched a monthly subscription service delivering notifications of retail releases to members, achieving a **90% retention rate**.
- Attracted an average of **100** new members per month, generating **100 million IDR ($6K)** in revenue within **3 months**.

Simpang Raya Restaurants   **Jakarta, Indonesia**
Data Engineer   *May 2024 - July 2024*
- Engineered **ETL processes** and **SOPs** to optimize data flow, ensuring integrity, consistency, and operational efficiency.
- Designed an **analytics dashboard** to provide real-time insights to advise on strategic data-driven decision-making.

Klinik Pintar   **Jakarta, Indonesia**
Data Scientist Intern   *Jun 2023 - Aug 2023*
- Processed millions of patient records by implementing **SQL joins** and **data cleaning** techniques to construct a refined dataset.
- Performed in-depth data analysis, creating reports detailing **patient visits**, **disease trends**, **medicine usage**, and other metrics.
- Built a time series forecasting model with **LSTM** in a team of **four**, to optimize inventory management, eliminating stockouts.

Verdhana Sekuritas   **Jakarta, Indonesia**
Research Intern   *Jun 2022 - Aug 2022*
- Conducted market research and analysis on Indonesia's mining and fossil fuel sectors, identifying key investment opportunities.
- Advised on long and short equity positions, contributing to a **5% increase** in returns.
- Generated monthly client reports by preparing market assessments and competitors analysis.

Personal Projects

Group Task: Automatic Piano Music Transcription (mp3 to sheet music)   **Mar 2024 – May 2024**
- Developed a deep learning model to transcribe piano music using **deep neural networks (DNN)** and **RNNs**: **LSTM**.
- Preprocessed data using **Constant-Q Transform (CQT)** and **normalized data**.
- Applied regularization techniques to prevent overfitting such as **Dropout** and **early stopping**.
- Attained **40% accuracy** with DNN and **2% accuracy** with LSTM, approaching industry standard of **56%**.

Natural Language Processing - Information Retrieval   **Mar 2024 – May 2024**
- Constructed a **knowledge graph** from unstructured text leveraging NLP techniques: **Stop Word Removal**, **TFIDF**, **Cosine Similarity**, **Lemmatization**, and **Normalization**.
- Evaluated a Hugging Face dataset, achieving **59.40% accuracy**, **18.18% recall**, **71.43% precision**, and **F1-Score of 28.99%**.

Automation Program to Secure Highly Sought-After Reservations   **Aug 2022 – Present**
- Wrote software to automate obtaining high-demand restaurant reservations through Resy and OpenTable.
- Completed **more than 100 reservations** in **seven** days.
- Devised a notification system to alert users to available time slots employing Resy and OpenTable API on Discord and Telegram.

Automated Purchase Program for Exclusive Sneakers and Concert Tickets   **Jun 2021 – Present**
- Built program to purchase limited-edition sneakers and concert tickets, earning nearly **1000 checkouts** and **$100K** revenue.
- Enhanced efficiency by integrating **multi-threading**, **proxies**, and implementing **captcha bypass** strategies.

Community Involvement

New York University Indonesian Student Association Treasurer   **Sep 2021 – Aug 2023**
- Oversaw financial health of **five** departments, presenting monthly performance updates to executive members.
- Organized fortnightly meetings with department heads to strategize and plan events and gatherings.
- Managed association's overall financial activities, including reporting, budgeting, and fundraising.

Technical Skills

Coding Languages: Python, HTML, Java, JavaScript, CSS, C++, R, SQL, LaTeX
Frameworks/Libraries: React, NodeJS, PyTorch, TensorFlow, Scikit-Learn, BeautifulSoup, Requests, Selenium
Tools/Platforms: MongoDB, AWS, GCP, Microsoft Office, Canva, Figma
Languages: English (Native), Mandarin Chinese (Fluent) & Bahasa Indonesia (Native)