

Harry Chandra Tsjan

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github.com/h4r1yzz

Education

University Tunku Abdul Rahman, B.A. in Software Engineering	Oct 2021 - Oct 2025
Kolej Tingkatan 6 Bandar Utama (STPM)	May 2019 - May 2021

Experience

Software Engineer Part time, Consolsys	Oct 2024 – Jan 2025
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- Migrated data from MSSQL to PostgreSQL, and improved optimized queries to display on Stimulsoft Reports, delivering accurate and streamlined reports for stakeholders
- Implemented a seamless integration of Stimulsoft reporting in the Teller system, utilizing Angular and C# to enhance user interface.
- Ensured accurate data routing by directing all data from request to the local database for journaling completed transactions
- Utilized debugging tools like debugger and breakpoint to analyze the root cause of the issues, then resolve the issue to prevent future reoccurrences

Web Developer Intern , Strattonshire Venture	Oct 2023 – Jan 2024
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- Developed an Administration System using the Laravel framework and MongoDB as database to streamline and simplify administrative tasks for enhanced ease of use
- Collaborated with the development team to implement changes and promptly respond to support requests from frontend
- Automated testing using Selenium and enhance user experience for web applications developed in collaboration with senior developers.

Projects

House Price analysis AWS EC2, Snowflake, Python, S3 Bucket, Airflow, Power Bi	link
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- Built a fully automated ETL pipeline to extract, transform, and load real estate data from Redfin
- Utilized AWS EC2 and S3 for hosting and storage, along with Snowflake for scalable data warehousing, ensuring reliability and performance.
- Orchestrated the entire workflow using Apache Airflow, ensuring tasks are executed in the correct order and dependencies are managed efficiently.
- Analyzed key real estate metrics such as median sale prices, inventory levels, and property types to uncover market trends.

Ai market stock price analysis Streamlit, Python, LLM, ML	link
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- Enhanced a few-shot learning model to classify sentiment from news and social media for stock insights.
- Implemented a system to display live stock prices and percentage changes.
- Integrated Ollama to generate stock charts and provide buy/hold/sell recommendations.

Breast Cancer Detection with Machine Learning Streamlit, Python, Scikit-learn, ML Docker, AWS EC2	link
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- Developed a machine learning model to detect breast cancer with 99.1% accuracy, and it classifies tumors as malignant or benign based on the features extracted
- Built a containerized Streamlit application for user interaction, deployed on AWS EC2 with Docker installed

Crafting application with recommendation system Flutter, Firebase, ML, Python	link
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- Created a crafting app with step-by-step guides, creative collection, and personalized recommendations for DIY

projects.

- Integrated a wishlist feature and user feedback system to enhance user experience.
- Enabled profile customization and a search feature for easy navigation.
- Flutter sends user preferences and behavior data to the Python backend via an API, which processes the data, runs recommendation algorithms, and returns personalized suggestions to the app.

Technologies

Languages: Java, C#, SQL, NoSQL, JavaScript, Python, Dart, Spark

Technologies: MSSQL, PostgreSQL, AWS EC2, Git, Azure Data Studio, Tableau, Snowflake, Docker, Azure, Airflow, DBT

Certification

AWS Cloud Practitioner Foundational	Dec 2024
NVIDIA Fundamentals of Deep Learning	Dec 2024