Suphakit Kaeokaemthong

Khon Kaen, Thailand • suphakit.kae@kkumail.com • 097-298-0204 • GitHub: github.com/suphakit085

EDUCATION

Khon Kaen University — Khon Kaen, Thailand
Bachelor of Science in Computer Science (Year 4) — Expected Graduation 2027
Faculty of Computer Science GPA: 3.03
Relevant Coursework: Data Structures, Database Management Systems, Statistics, Data Analytics and Application, Neural Network and Deep Learning, Software Engineering

INTERNSHIP EXPERIENCE

NAYOO CORPORATION
Data Scientist Intern

- Collected, cleaned, and categorized geospatial data for landmarks across Khon Kaen, including commercial, healthcare, educational, recreational, and other points of interest (POIs), assigning hierarchical layers based on their potential influence on land prices and preparing the dataset for machine learning analysis.
- Processed and classified road network data across Khon Kaen into local and major roads to support geospatial feature engineering for land price analysis.
- Designed a road-network-based distance algorithm to measure accessibility from land parcels to major roads using latitude/longitude coordinates, spatial proximity search, and road connectivity rather than straight-line distance.
- Modeled local roads as a network graph and applied Dijkstra's shortest-path algorithm to calculate travel distance from the nearest local road to its connection with a major road, producing distance-based features for downstream machine learning.

PROJECT EXPERIENCE

POS Shabu Management System — System Analysis & Backend Development

- Analyzed functional requirements for restaurant ordering, table management, inventory, employee management, and payment workflows.
- Created UML diagrams, including Use Case, Sequence, and Class Diagrams, to model system processes and interactions.
- Translated system requirements into database schemas and REST API specifications.
- Designed a MySQL database and implemented REST APIs using Next.js.
- Tested API functionality using Postman and validated system workflows against defined requirements.

Luxury Popup Marketing Analysis — Business & Data Analysis

- Analyzed marketing and sales performance of luxury cosmetics pop-up stores across multiple regions and event formats.
- Developed key marketing KPIs including revenue per day, sell-through rate, and conversion rate
- Analyzed the relationship between footfall, pricing strategy, pop-up duration, and sales efficiency
- Identified high-performing locations and event formats to support strategic decision-making
- Built an executive-ready Power BI dashboard to visualize insights for business stakeholders

Credit Risk Prediction — Data Science

- Built a machine learning model to predict loan default risk (Probability of Default) using Home Credit data (300K+ records)
- Performed data cleaning, table merging, and feature engineering including financial ratios and payment history aggregations
- Trained a LightGBM model and analyzed feature importance to identify key credit risk factors
- Deployed a Streamlit web app and improved prediction stability by fixing missing value handling with median imputation

Customer Review Sentiment Analytics — NLP & Data Science

- Built an end-to-end NLP pipeline using TF-IDF to classify 10,000 English Yelp restaurant reviews as Positive, Neutral, or Negative
- Compared Naive Bayes, Logistic Regression, SVM, and class-balanced models, achieving up to 84.1% accuracy and selecting the final model by Macro F1
- Performed cross-validated hyperparameter tuning and error analysis with confusion matrices and per-class F1 scores to address class imbalance
- Developed a Streamlit app for single and batch predictions with confidence scores, performance visualizations, and CSV export

SKILLS

Business Analysis: Requirements Analysis, User Stories, Business Process Analysis, Functional Requirements, UAT
Agile & Project Management: Agile, Scrum, Jira
System Analysis & Modeling: UML, Use Case Diagram, Sequence Diagram, ER Diagram, Class Diagram
Data & Analytics: SQL, Python, Excel, Power BI, Data Analysis, Data Visualization, Statistics
Databases: MySQL, PostgreSQL, MongoDB
Tools & Technologies: Git, GitHub, Postman, Docker, VS Code