KEA LEANGHONG

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PROFESSIONAL SUMMARY

Hardworking third-year Computer Science student with strong foundations in Data Science, Machine Learning, AI, and Python programming. Experienced in data preprocessing, predictive modeling, and real-world dataset analysis. Passionate about applying data-driven solutions to solve practical problems in healthcare, automation, and finance.

EDUCATION

2023-Present : Bachelor of Science in Computer Science, RUPP

2020-2023 : Finish High School at Hun Sen Balang High School

EXPERIENCE

Data Science & Machine Learning

- Applied knowledge in AI, Machine Learning, and data processing for real datasets.
- Built prediction models and algorithms using Scikit-learn and TensorFlow.
- Performed Data Cleaning, Feature Engineering, EDA, and model evaluation.
- Developed data visualization using Matplotlib and Seaborn.
- Worked with datasets from multiple sources, applying statistical and analyst

Heart Disease Prediction – Machine Learning Research

- Developed models for heart disease prediction with 86% accuracy (XGBoost).
- Analyzed 13 clinical features (age, cholesterol, BP, chest pain type).
- Identified key predictors such as ST depression (oldpeak) and age.

Medical Cost Prediction – Machine Learning Research

- Built regression models for insurance cost prediction with 87.5% accuracy (Random Forest).
- Analyzed dataset of 1,338 patient records with 7 features.
- Found smoking as the strongest cost driver, followed by BMI and age.

IoT, Web & App Development

- Built ESP8266/ESP32 automation projects and display on website.
- Integrated sensors with real-time data processing and automation logic.
- Developed simple web/mobile apps including a learning and personal finance app.

LANGUAGES

Khmer : Mother Tongue and English : Good

OTHER SKILLS

- ML & Data Science: Python, Pandas, NumPy, Scikit-Learn, Feature Engineering, EDA
- Programming: Python, C++, SQL
- Visualization: Matplotlib, Seaborn
- Soft Skills: Communication, teamwork, problem-solving

REFERENCES

Nguon Ramna Professor of Royal University of Phnom Penh

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