# MALLADI SAIRAM KARTHIK

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## SUMMARY

Aspiring Data Scientist with a B.Tech in Computer Science and Engineering. Skilled in Python, data analysis, and machine learning techniques. Preparing for graduate studies in informatics and seeking research opportunities in AI, visualization, and computational science. Passionate about leveraging technology for innovative problem-solving.

## SKILLS

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|---|---|
| Programming | Python, C, C++ |
| Libraries | NumPy, pandas, scikit-learn, Matplotlib |
| Version Control/Tools | Jupyter Notebook, Git, GitHub |
| Languages | English(fluent), Japanese (N5 capable) |

## PROJECTS

**House Price Prediction**

- Built a Linear Regression model to predict house prices based on features like area and location.
- Performed data cleaning, scaling, and feature selection to enhance model efficiency and predictive power.
- Evaluated the model using Mean Squared Error and visualized feature correlations to improve interpretability.
- **Tools:** Jupyter Notebook, NumPy, pandas, scikit-learn, and Matplotlib. GitHub Repository

**Disease Prediction**

- Developed a machine learning model to predict diseases based on user symptoms using a multi-class classification approach.
- **Methodology:**
  - Collected and preprocessed a dataset of diseases and their associated symptoms.
  - Engineered features to create a robust input matrix for model training.
  - Implemented and trained a **Logistic Regression/RandomForests** model for multi-class classification.
- **Tools:** pandas, scikit-learn, NumPy, Jupyter Notebook. **https://github.com/Karthik0000007/Disease-Predictor**

## EDUCATION

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| 2023 – Present | **Bachelor of Technology (B.Tech)**, Computer Science and Engineering [SRM University, AP] | GPA: 3.4/4.0 |
| 2022 | **Class 12th (Higher Secondary)** | 90% |
| 2020 | **Class 10th (Secondary School)** | 100% |