

K Harini

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📍 Ambattur, Chennai, Tamil Nadu

Education

B.Tech Computer Science and Engineering (Specialization in Cyber Security and Block Chain technology)

2021 – present

SASTRA Deemed to be University, Thanjavur

CGPA-as of 6th semester 8.0146

Higher Secondary schooling

2021

Narayana Olympiad School, Chennai

Higher Secondary Examination-94.8%

Secondary Schooling

2019

Narayana e-Techno School, Chennai

Secondary Examination-94.4%

Professional Experience

Data Science Intern

October 2023 – December 2023

PathFinder Global FZCO

- Conducted in-depth analysis on historical stock data sourced from the National Stock Exchange of India (NSE), ensuring meticulous examination of trends and patterns.
- Applied advanced data cleaning techniques, addressing null and missing values, and categorized stocks into distinct groups. Extended the analysis over a 10-day period, consolidating daily data into a single CSV file for comprehensive and streamlined analysis.
- Developed a sophisticated Streamlit application showcasing technical expertise in data visualization for diverse stocks across multiple categories.

Data Science Intern

June 2023 – July 2023

Onward Technologies

- Conducted thorough data cleaning and utilized machine learning techniques, including RFM analysis and clustering, to create customer segmentation models, enhancing data-driven decision-making.
- Demonstrated commitment to continuous learning and fostering a data-driven culture within the organization.

Skills

C • C++ • Java • Python — Numpy, Pandas, Scikit, Matplotlib, Seaborn, plotly • **SQL •**

Data Structures and Algorithms • Machine learning Algorithms •

Fundamentals of Cryptography and Cryptanalysis

Projects

Automated Product Data Extraction and Analysis(Data Engineering)

This project automates the extraction of product details from Amazon.in 🌐 using Selenium. It logs in, searches for products, collects data on names, prices, reviews, and ratings, handles missing values, and exports the information to a CSV file for further analysis.

Classification of malicious URLs from legitimate URLs

This project is about classification of malicious urls from legitimate ones. This project includes extraction of features such as domain name, ipaddress, http/https etc. Upon extraction, the features are converted into dataset for classification. Various classification algorithms used are SVM, Random Forest, Decision Tree and MLP.

Interactive Resume Chatbot Using HTML, CSS, and JavaScript

This project involves creating an interactive chatbot for a personal portfolio website. By leveraging HTML, CSS, and JavaScript, this chatbot provides a simple yet effective way to engage visitors and provide them with relevant information from the resume.

Bitcoin Address Analysis

This project classifies bitcoin transactions into 13 different types based on the address of the bitcoin and the features extracted from it. The ML models used to train the dataset are KNN, Random Forest, Decision Tree, MLP, XGBoost. After model training all the features are analyzed and the top 10 features are extracted using the selectkbest algorithm

Club Activities

Core Team Member

August 2022 – present

Google developer Student Clubs

- Collaborated effectively with multiple clubs to orchestrate a successful event, demonstrating strong interpersonal and teamwork skills.
- Leveraged strategic social media promotions and marketing efforts to amass an impressive membership base, surpassing 300 members, for the event, showcasing effective outreach and engagement capabilities.

Promotions and Marketing cluster lead

August 2023 – present

Developer Community Sastra

- Organized and led a series of educational workshops as part of the Devdays event, attracting active participation from over 300 students.
- Served as a featured speaker for the Promotions and Content Workshop, sharing expertise and insights in a professional capacity to enhance attendee engagement and knowledge.